SADID Laboratoires DIAGNOPHARM

Exclusive Distributor

mindray

healthcare within reach

Product Catalog

2025

الشركة الجزائرية لتطوير صناعات الكواشف الطبية

SOCIÉTÉ ALGÉRIENNE POUR LE DÉVELOPPEMENT DES INDUSTRIES DU DIAGNOSTIC

SADID Laboratoires DIAGNOPHARM

Exclusive Distributor

Reliable, accurate and affordable diagnostic for all

Product Catalog

mindray

healthcare within reach

Vision

Better healthcare for all.

Mission

Advance medical
technologies to make
healthcare more accessible.

Value

Align with our customers
Value and enrich our people
Be precise and practical
Always forge ahead

About mindray

Mindray is a leading global designer, developer, and manufacturer of medical devices and solutions, dedicated to making better healthcare for all. Since its foundation in 1991, Mindray has been exclusively focused on the medical industry in the fields of Patient Monitoring & Life Support, In-Vitro Diagnostics, and Medical Imaging. Headquartered in Shenzhen China, Mindray is a multinational corporation with subsidiaries in 32 countries in North and South America, Europe, Africa, and the Asia-Pacific region. Its products and services are available in over 190 countries. Mindray's In-Vitro Diagnostics business has expanded to cover the areas of hematology, biochemistry, chemiluminescence immunoassay, coagulation, urinalysis, HPLC analysis, microbiology and flow cytometry, with a total of over 100 analyzer models. Together with original manufacturer reagents, Mindray offers comprehensive laboratory solutions for medical institutions of all types and all levels.

Mindray's solutions are tailored not only towards small to mid-sized labs, we are also leading the way in automation, from our cellular analysis line to serum line connecting chemistry and immunoassay. Our IVD products are well accredited by customers worldwide, serving healthcare facilities in over 150 countries and regions.

Vision

To become a leading provider of diagnostic solutions in Algeria, recognized for our pivotal role in advancing healthcare diagnostics. ensuring access to state-of-the-art diagnostic tools

Mission

Provide cutting-edge medical diagnostic solutions to empower healthcare professionals.
Eager to offer an accurate, reliable and affordable diagnostic for every Algerian patient

Value

To prioritize precision and excellence in diagnostic equipment, foster innovation in healthcare solutions, encourage collaboration among healthcare professionals.

About SADID Group

With over two decades of experience, Sadid Group has established itself as a trusted partner for healthcare professionals and institutions. Over the years, we have grown into an important actor of the Algerian Market, delivering the newest solutions to address the evolving needs of the medical community.

+25 YEARS

+1500 Products

+400 Employees

Founded in 1998, Sadid Group has been at the forefront of revolutionizing the healthcare industry through its resolute commitment to the promotion and distribution of innovative solutions for in vitro diagnostic. Our journey began with a simple yet ambitious vision: to enhance the quality of healthcare by providing access to the latest innovations in medical technology. As we venture into the future, we remain firmly committed to our mission of improving our patients healthcare.

الشركة الجزائرية لتطوير صناعات الكواشف الطبية

SOCIÉTÉ ALGÉRIENNE POUR LE DÉVELOPPEMENT DES INDUSTRIES DU DIAGNOSTIC

SADID
Laboratoires
DIAGNOPHARM

ISO 9001:2015

CERTIFICATE

ThisistoCertifythattheManagementSystemof

SARLDIAGNOPHARM

BELAAZAMactivityzone–LotNo.10LAKHDARIA–BOUIRA

hasbeenauditedandfoundtocomplywiththerequirementsof:

ISO9001:2015
(QualityManagementSystem)

FortheScopeofactivitiesdescribedbelow:

Manufacturingandmarketingfor invitrodiagnostic:
Biochimistry, Immuno - Assay, Hemobiology,
Rapid Tests (Latex, cassettes, strips)
HbA1C (HPLC) ,Hemostasis, Immuno - Hematology,
ELISA, Immuno-histology, MolecularÀBiology and
Parapharmaceuticalproducts: 3-plyandkn95protectivemasks

CertificateNo.:DZ240102008

Date of initial registration	Date of this Certificate	Surv.auditonorbefore/Certificateexpiry	Recertification Due
02January2024	02January2024	01January2025	01January2026

Validityofthiscertificateissubjecttosuccessfulcompletionofsurveillanceauditonorbeforeduedate, incasesurveillanceauditnotconductedthiscertificateshallbesuspended/cancelled.

Director

ISO 13485:2016

CERTIFICATE

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SARLDIAGNOPHARM

BELAAZA Mactivityzone–LotNo.10LAKHDARIA–BOUIRA

hasbeenauditedandfoundtocomplywiththerequirementsof:

ISO13485:2016
(MedicalDevice s – QualityManagementSystem)

FortheScopeofactivitiesdescribedbelow:

Manufacturingandmarketingfor invitrodiagnostic:
Biochimistry, Immuno - Assay, Hemobiology,
Rapid Tests (Latex, cassettes, strips)
HbA1C (HPLC) ,Hemostasis, Immuno - Hematology,
ELISA, Immuno-histology, MolecularÀBiology and
Parapharmaceuticalproducts: 3-plyandkn95protectivemasks

CertificateNo.:DZ240102009

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Director

GMP International

CERTIFICATE

ThisistoCertifythattheManagementSystemof

SARLDIAGNOPHARM

BELAAZAMactivityzone–LotNo.10LAKHDARIA–BOUIRA

hasbeenauditedandfoundtocomplywiththerequirementsof:

GMP
(GoodManufacturingPractice)

FortheScopeofactivitiesdescribedbelow:

Manufacturingandmarketingfor invitrodiagnostic:
Biochimistry, Immuno - Assay, Hemobiology,
Rapid Tests (Latex, cassettes, strips)
HbA1C (HPLC) ,Hemostasis, Immuno - Hematology,
ELISA, Immuno-histology, MolecularÀBiology and
Parapharmaceuticalproducts: 3-plyandkn95protectivemasks

CertificateNo.:DZ99463U

Date of initial registration	Date of this Certificate	Surv.auditonorbefore/Certificateexpiry	Recertification Due
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Validityofthiscertificateissubjecttosuccessfulcompletionofsurveillanceauditonorbeforeduedate, incasesurveillanceauditnotconductedthiscertificateshallbesuspended/cancelled.

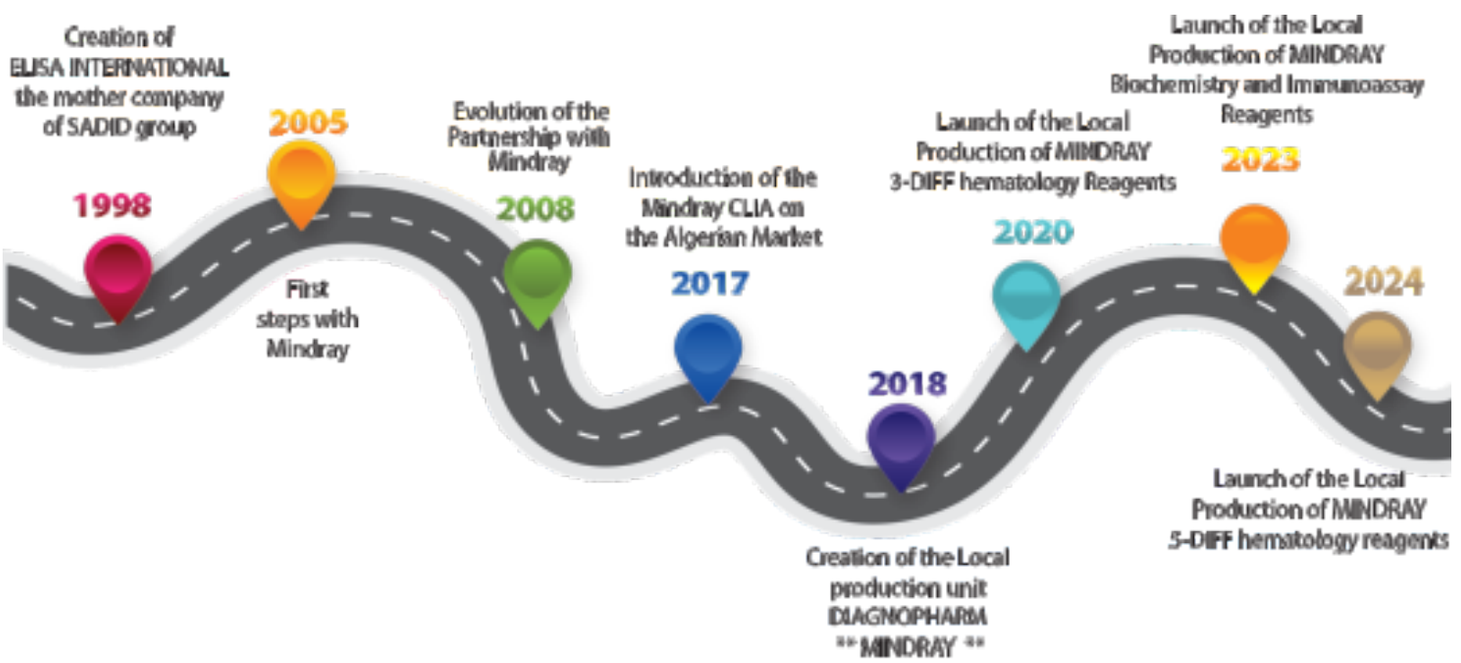
Director

About DIAGNOPHARM

Diagnopharm, an entity under the umbrella of S.A.D.I.D, boasts over two decades of presence in the Algerian market. As a pioneering force in both Algeria and Africa, Diagnopharm stands out with its diverse production lines, including Hematology, Biochemistry, Immunology, Rapid Tests, HbA1c, and blood grouping.

Committed to international standards, our dedicated teams undergo continuous trainings to ensure compliance with ISO 9001,ISO 13485 and good manufacturing practice, certifications achieved in January 2024.

With a portfolio exceeding a hundred products and a growing presence through export operations across Africa, we foster strategic partnerships with globally renowned entities. At Diagnopharm, our focus on innovation and quality drives our mission to advance healthcare within Algeria and beyond.



These certificates underscore our unwavering commitment to maintaining the highest standards of quality through out our production processes

Contents

Mindray is a leading provider of diagnostic solutions encompassing a diverse range of IVD fields.

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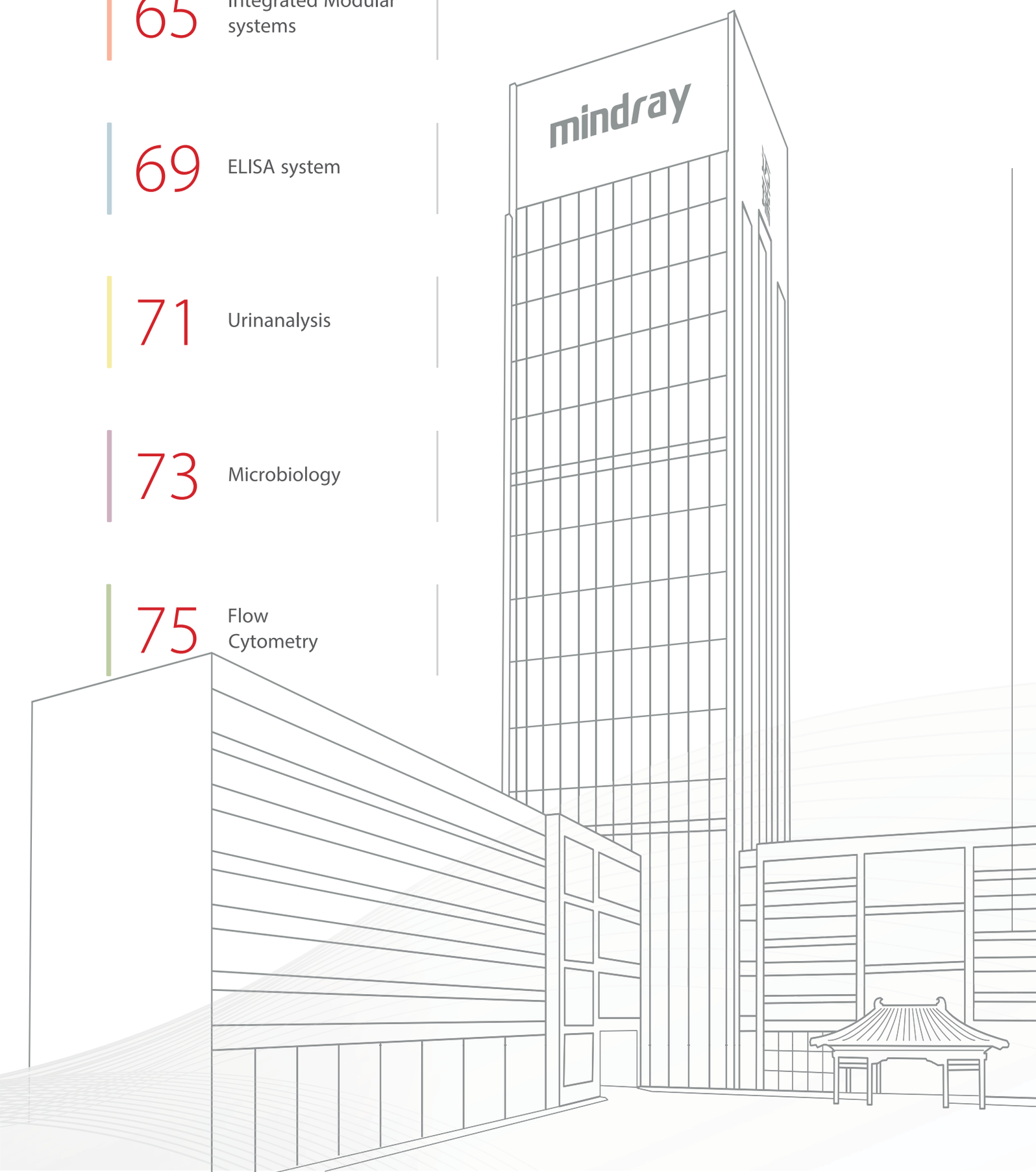


Hematology Analyzers

Minimum Size,
Maximum Capability

BC-30s

Auto Hematology Analyzer

What a 3-part should be

At Mindray we pride ourselves in our dedication and experience in developing better solutions for small labs. Our new line of 3-part hematology analyzers is the culmination of that effort. Compact yet powerful, full featured yet affordable, the BC-30s is what a 3-part analyzer should be.

BC-30s

Advanced Usability Features

The high-resolution 10.4/8.4 inch TFT touch screen display offers better visual for sample review. Optimized usability such as USB connection, WIFI capability, providing detailed flag information ensures you pleasant operation experience.

Smallest footprint

Convenient, fast

Perfect for pediatric samples

Hematology Analyzers

A Compact yet Powerful 5-part

BC-5150

Auto Hematology Analyzer

Throughput 60 per hour

25 Reportable Parameters

24 Reaserch Parameters

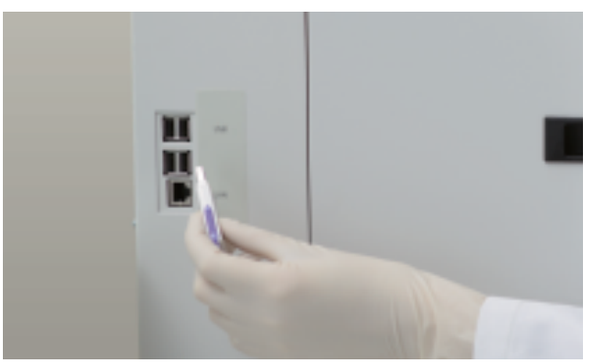
Proven Technology

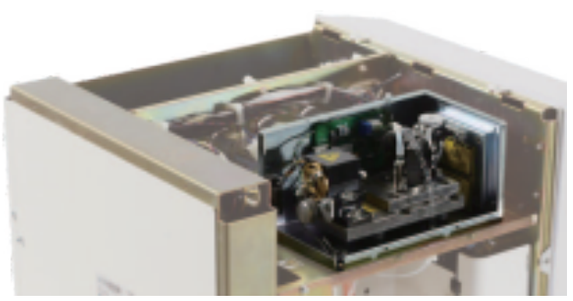
Tri-angle laser scatter + focused flow + chemical dye, creating the possibility for a better 5-part WBC differentiation even on samples with high Eosinophil.

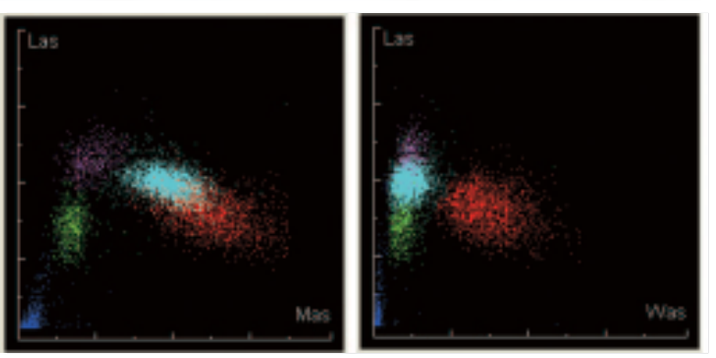
BC-5150

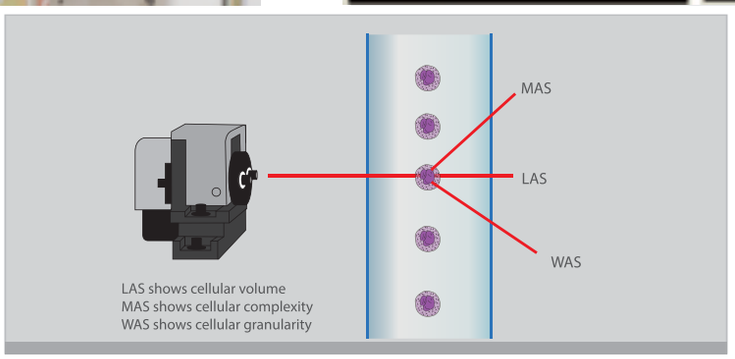
Compact Power

BC-5150 is a dedicated 5-part hematology analyzer with the state of the art technology, simple operations, fewer reagents, all in a smaller more affordable package that will fit any clinicians budget and space.









Hematology Analyzers

A robust 5-Part analyzer

BC-5380

Auto Hematology Analyzer

Throughput 60 per hour

autoloader
& open vial

04 Reaserch Parameters

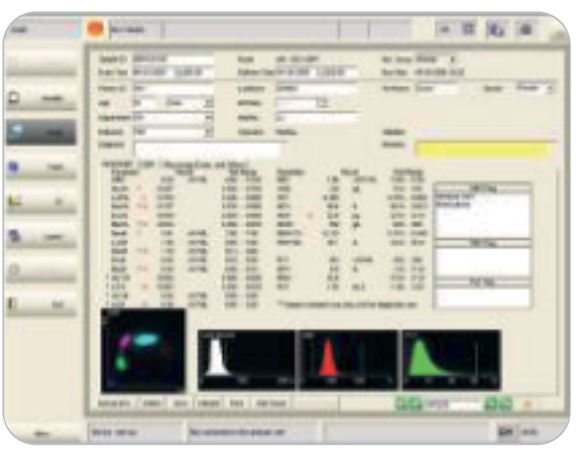
23 Reportable Parameters

Flexible Configuration

Similar features and specification with flexible configurations allows you for different assembly.

Proven Technology

Semi-conductor laser scatter combined with chemical dye method and advanced flow cytometry ensure you accurate results.



Hematology Analyzers

BC-5390 CRP

Automated Hematology Analyzer

Throughput 60 *per hour*

26 Reportable Parameters

06 Reaserch Parameters

The BC-5390 is a 5-part Auto Hematology Analyzer that delivers high productivity, better accuracy and improved patient care, without sacrificing your budget. The analyzer utilizes the power of three mainstream technologies: laser scatter, flow cytometry, and chemical dye, to provide more accurate clinical information. The BC-5390 has been approved by FDA

Convenient

Capillary whole blood mode

Thermostat storage and RF technology

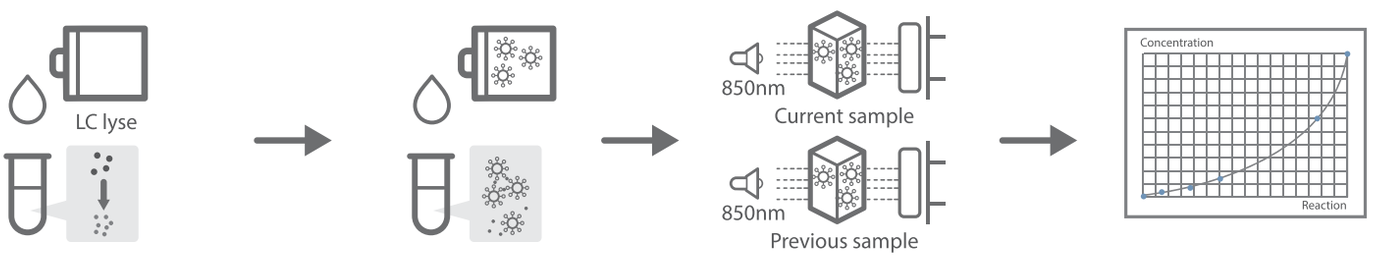
Individual CRP mode

Rapid

Dual CRP Analysis Channels for High Throughput

Precise

Latex Immunoturbidimetric Technology



Lysed RBCs eliminate interference

Antibody–antigen interaction

Dual channel turbidimetric measurement

Calculation and modification

Hematology Analyzers

BC-6 & BC-7 Series

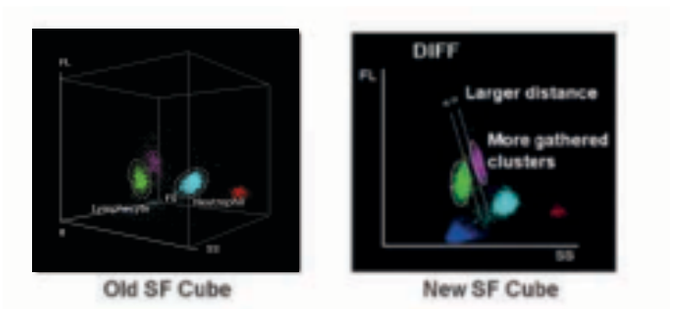
CBC+DIFF+RET

The BC-6000 Series, including the Auto Hematology Analyzers BC- 6200 and BC-6800Plus, and the BC-700 series with BC-720 and BC-780, are developed to address real challenges in frontline clinical settings. The BC-6 and BC-7 Series delivers more than expected in terms of **Value, Operation** and **Cost performance.**

Value +

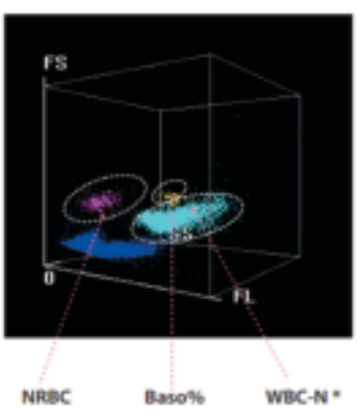
New SF cube technology

Inheriting from Mindray's high end hematology platforms, the SF cube cellular analysis technology is upgraded with newly designed optics and reagent systems. It can help doctors to better differentiate the clusters of cells, thus revealing more abnormal cells.



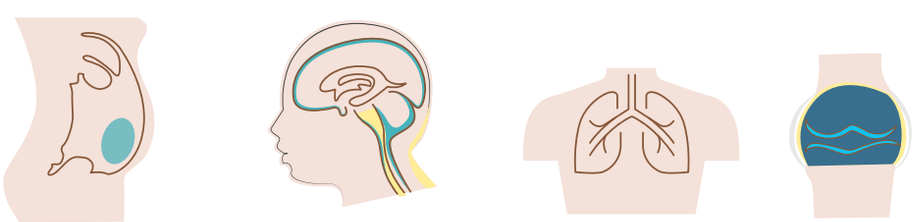
NRBC result in every CBC

In the WNB channel, Mindray BC-6/BC-7 Series Hematology Analyzers produce NRBCs, Basophils and WBCs results without extra reagent or cost. NRBCs can be well differentiated from Basophils and WBCs on the systems, ensuring more accurate WBC counting and helping doctors to diagnose hemolytic anemia and monitor hematopoietic diseases.



Body fluid tests

Besides blood samples, the Series can analyze body fluid -- including peritoneal fluid, pleural fluid, cerebrospinal fluid (CSF) and synovial fluid -- without requiring dedicated reagents.

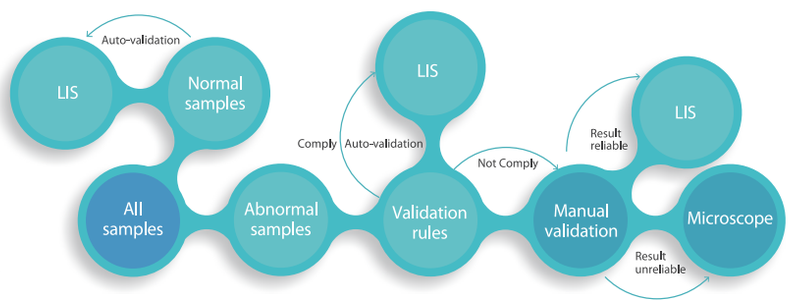


Peritoneal fluid | Cerebrospinal fluid (CSF) | Pleural fluid | Synovial fluid

Operation +

More intuitive labXpert software

The labXpert software is a standard configuration of the BC- 6 / BC-7 Series for professional data analysis. upgraded software optimizes data analysis with auto-validation and auto onboard "re-exam" functions. It also has more intuitive interface, with all necessary information shown on one screen for easier review and manual validation.



Auto rerun and reflex

Auto rerun and reflex is another innovative feature to optimize operation process.
Should the sample results trigger the pre-set criteria, the autoloader of the systems automatically returns the sample racks backwards for a rerun or reflex check.

Cost Performance +

Less reagents for routine tests

Compared to the last of similar model, the BC-6 and BC-7 Series uses less reagents for CBC+DIFF+NRBC tests.

Above and Beyond

BC-700 Series

Automated Hematology Analyzer

CBC+DIFF+RET and ESR

Throughput 80 per hour

41 Reportable Parameters

68 Reaserch Parameters

The BC-700 Series incorporates both complete blood count and erythrocyte sedimentation rate tests. This series, including an open vial model BC-720 and an autoloader model BC-780, is designed to empower medium-volume laboratories with advanced diagnostics technologies that are applied in the premium products.

DESIGN AWARD 2021

BC-780

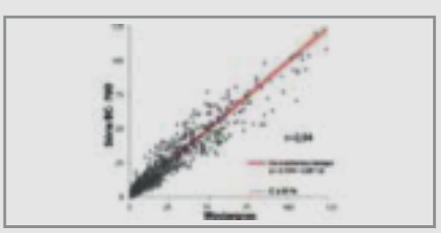
BC-720

NRBCs in every CBC+DFF analysis

NRBCS are reported to ensure more accurate WBC counting, thereby helping doctors diagnose hemolytic anemia and monitor hematopoietic diseases.

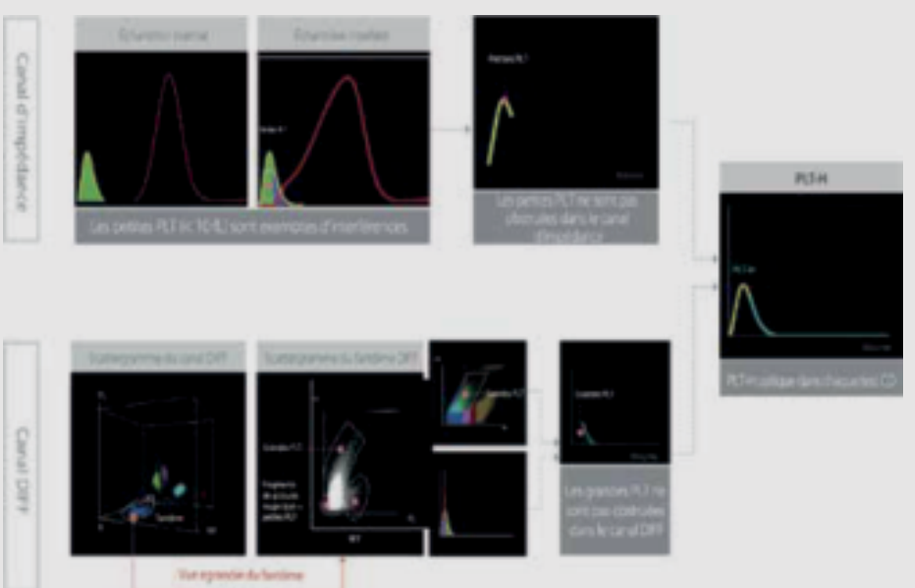
Easy-W ESR

Generates both CBC & ESR results in one test within 1.5 minutes and delivers comparable ESR results to the Westergren method.



Optical PLT-H in every CBC+DIFF analysis

It combines small PLTs from the conventional impedance method and large PLTs from the optical method. The solution can resist the interferences in conventional PLT detection without requiring extra reagents.



Hematology Analyzers

BC-6200

Auto Hematology Analyzer

Loading capacity: 50

CBC+DIFF+RET

Throughput 110 per hour

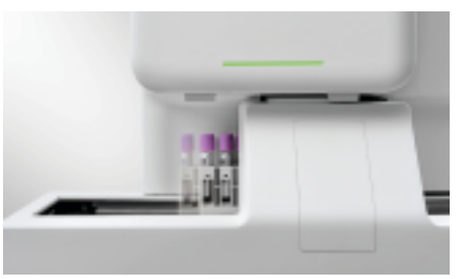
37 Reportable Parameters

29 Reaserch Parameters

At Mindray, we seek to understand the needs of every customer, and deliver tailor-made solutions. In today's laboratories, lab managers are looking for an analyzer with greater clinical values, such as higher flagging efficiency to reduce the ratio of microscopic examination, NRBC/RET/body fluid results generated in a small-footprint system, among others, all within limited budget. Mindray BC-6200 fulfills all these clinical requirements and exceeds your expectations!

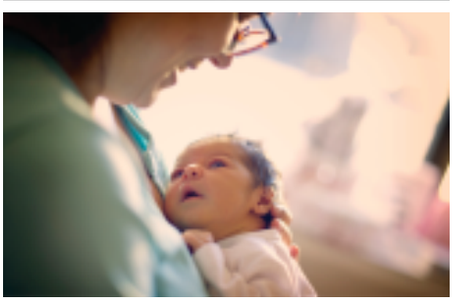
Automatic Rerun & Reflex

Should the sample results trigger the criteria, the sample rack can automatically step back for a "rerun" or "reflex" check



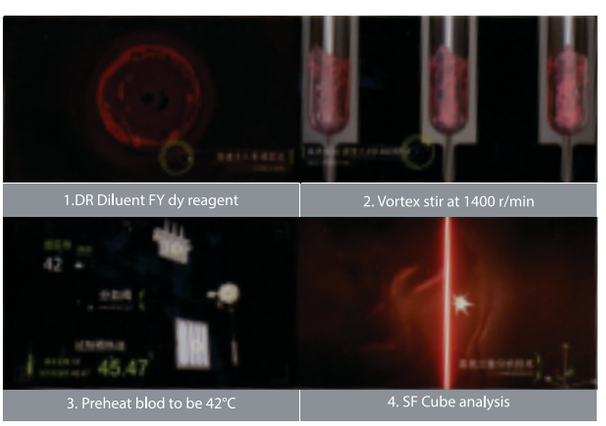
Low sample volume

BC-6200 requires less sample volume as well as reagent consumption. For a CBC+DIFF test with NRBC result, BC-6200 only requires 80 µL of whole blood and 35 µL of capillary blood.



Unique PLT clumps de-aggregation function

Deliver accurate PLT results while reducing the cumbersomereview work



Small Cube,
Big Difference

BC-6800 Plus

Auto Hematology Analyzer

Loading capacity: 100
CBC+DIFF+RET+ESR

More than Fast

Throughput 200 *per hour*

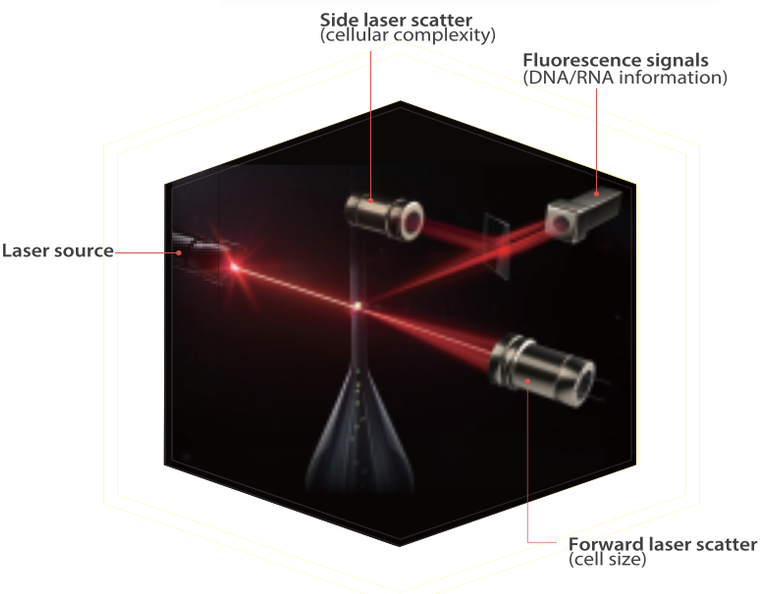
54 Reportable Parameters

53 Reaserch Parameters

Based on the new SF Cube technology platform, the BC-6800Plus could provide more reliable blood cell results and abnormal cells flagging results with anticipated warning messages, exceeding clinicians' expectations and setting a new standard for blood analysis.

SF Cube™

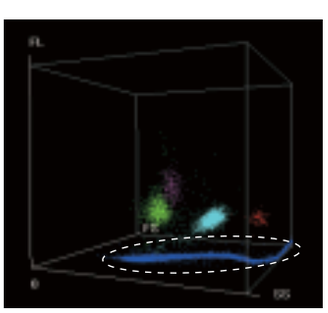
With the newly designed optics and reagent systems,the SF Cube technology can help doctors to better differentiate the clusters of cells, which is the key to revealing more abnormal cells.



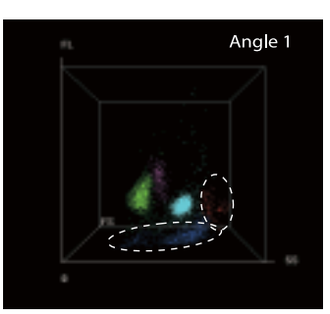
Interference prevention

In DIFF scattergram, WBCs are dyed, but not lipid particles, by fluorescence, which prevents interference and ensures more accurate WBC results.

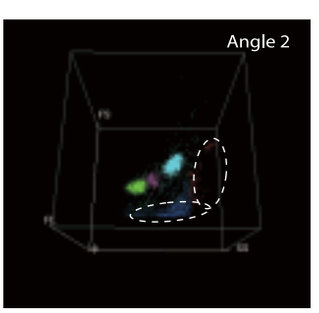
With information obtained through the 3D analysis, PLT clumps are well separated from each cluster of WBCs.



Lipid particle has **no fluorescence**



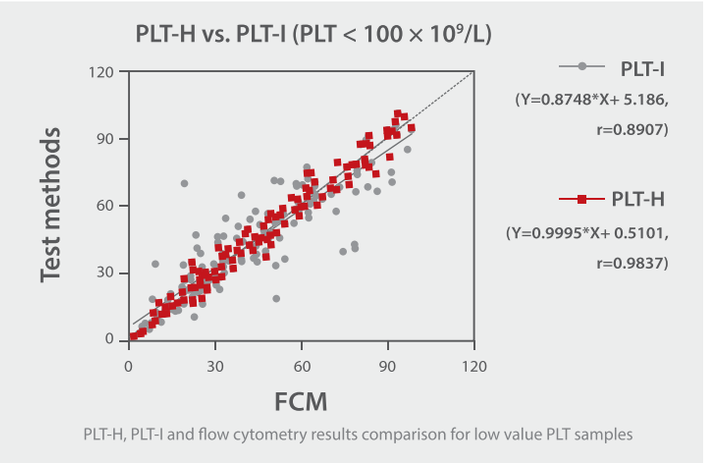
The PLT clump seems **mixed up** with Neutrophil and Eosinophil



The PLT clump is well separated from Neutrophil and Eosinophil

PLT-H Technology – Optimized Balance Between Accuracy and Cost Efficiency

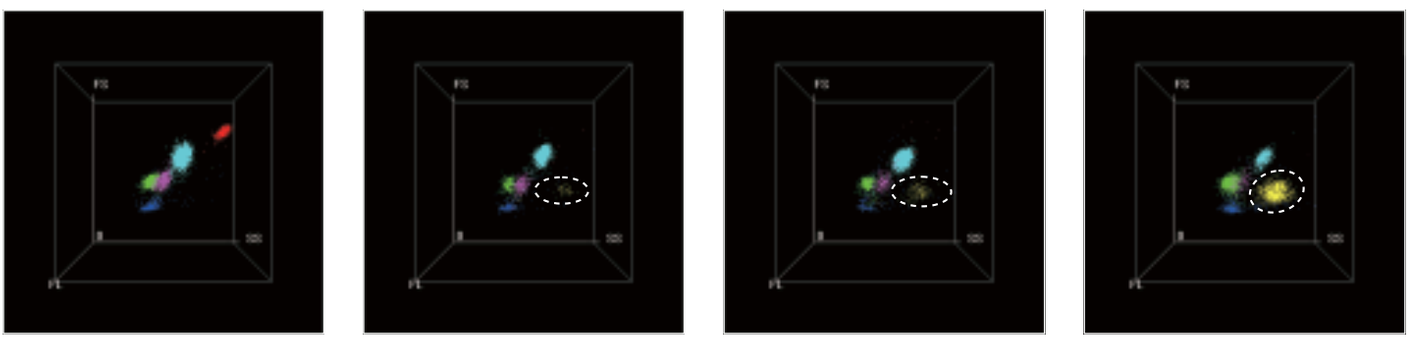
- DIFF and impedance channels are combined to obtain platelet counts.
- No extra reagent cost.
- Resolved the pain point of PLT-I (Impedance) value distortion for samples with low platelet counts, especially under environments where multiple interferences, such as large platelets, erythrocyte fragments etc., are present.
- Dramatically improved correlation between platelet counts value and flow cytometry (FCM, CD41+CD61, as reference method) results – boosted from r = 0.8907 to r = 0.9837.



PLT-H, PLT-I and flow cytometry results comparison for low value PLT samples

Malaria screening

BC-6800Plus provides a dedicated flag called “infected RBC?”, and “InR*(#,‰)”parameters to represent the number and ratio of the infected red blood cells in the sample respectively. BC-6800Plus users can obtain information about the possible presence of plasmodium parasite, the causative agent of malaria infection.
With the rising number of red blood cells with malaria parasites, the number of dots in the “InR” area increases proportionately. This creates the possibility to not only screen but also judge the severity of malaria infection.



Normal sample

Few
1-4 infected RBC per 4 microscopy view

Some
2-3 infected RBC per microscopy view

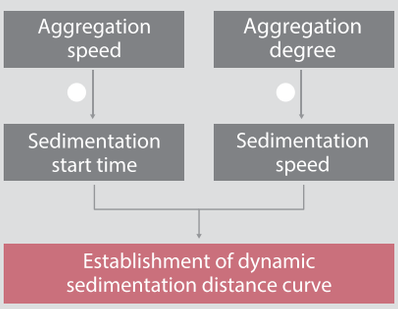
Many
>4 infected RBC per microscopy view

Note: The yellow scatters are just for highlight.

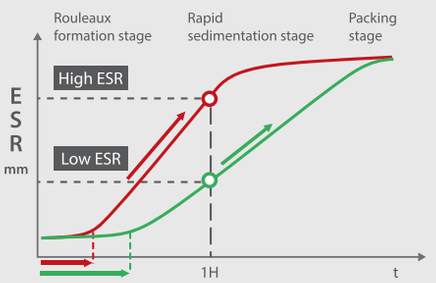
Easy-W ESR Solution

Mindray Technology Brought Reliable ESR Results With Excellent Efficiency

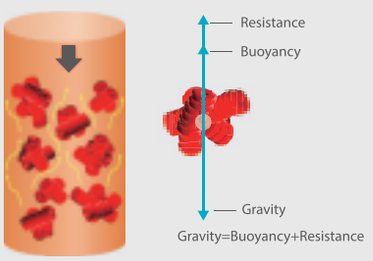
Model Establishment



- Aggregation speed and degree are measured in lightning speed.
- Both sedimentation start time and speed are calculated and counted for ESR generating.
- Reporting ESR results within 30 seconds per sample.



Aggregation speed = Start time of sedimentation stage



Gravity=Buoyancy+Resistance

Schematic of rapid sedimentation of erythrocyte aggregates

easy-W™
≤30s
6800Plus ESR

VS

Westergren method
≥3600s

Modular systems

Smarter workstation,
Simpler workflow

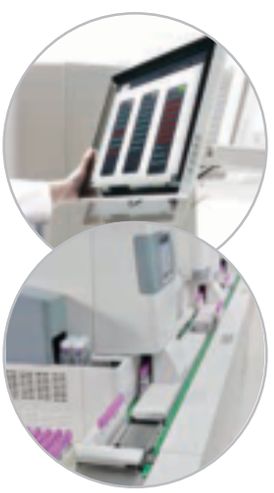
CAL 6000

Cellular Analysis Line

labXpert

Mindray CAL 6000 defines a new generation of cellular analysis line. By combining two BC-6200 auto hematology analyzers and SC-120 Slide Maker & Stainer, CAL 6000 offers flexible configurations which have throughput of up to 220 tests per hour and 120 slides per hour.

When the sample results trigger the criteria, the autoloader of each hematology analyzer will return the sample racks for automatic rerun or reflex check.



The bidirectional loading track, with patent technology, on the first hematology analyzer enables fast sample distribution, improving efficiency and productivity.

The tube racks could be customized based on different colors to differentiate specific testing modes, such as “CBC”, “CD” and “CR” test mode.

CAL 8000

New Generation Cellular Analysis Line

All in 1 Automated Hematology Solution

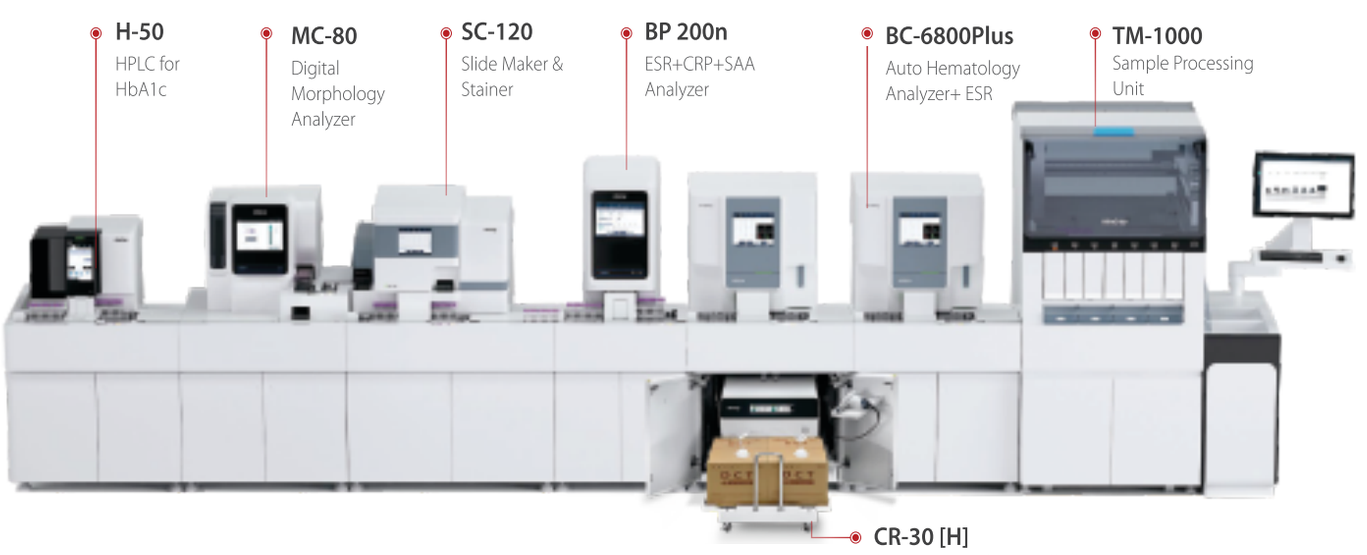
In large-volume laboratories, striking the right balance between quality and efficiency has always posed a challenge. Mindray's innovative CAL 8000 All-in-One Hematology Solution offers a comprehensive solution that effectively manages a high volume of samples while ensuring fast turnaround times (TAT).

This solution offers end-to-end automation, beginning with tube sorting and CBC analysis and extending to the measurement of ESR, CRP, SAA, and HbA1c using only one EDTA tube, as well as smear preparation and digital slide reading. Its impressive features make it a great choice for central or core laboratories with high volumes of samples and the need for quick turnaround times.

All Processes in ONE

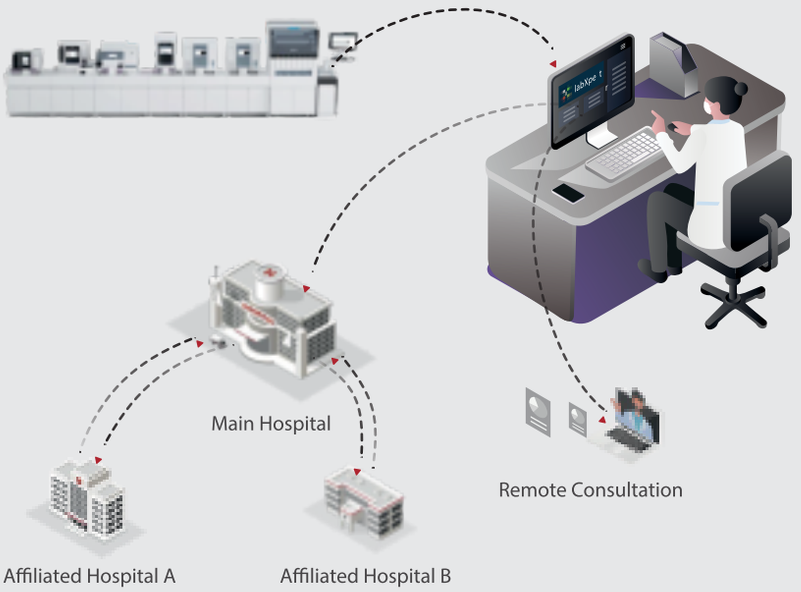
One single EDTA tube for all whole blood analysis.
Complete automation from sample collection to analysis to reporting.

HbA1c | Slide reading | Smear preparation | ESR+SAA | Accurate & reliable analysis by 3D SF-Cube with auto reanalysis | Sorting & storage



All Data in ONE

The labXpert software on CAL 8000 enables real-time integration and sharing of testing results, allowing for remote diagnostics and optimizing the utilization of clinical professional expertise, a valuable resource in high demand.

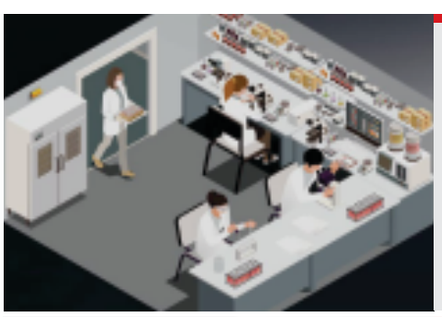


All Scenarios in ONE

Clinical laboratories serve a diverse range of patients with unique needs across various scenarios. Mindray understands and empathizes with the challenges faced by our customers and is committed to delivering tailored solutions to address them.

Core/Chain/Centralized Laboratory

High sample volume during peak hours



With Mindray All-in-One Solution

Batched sample handling significantly eases the pressure of sample influx

Children's Hospital

Challenges with blood collection and sample loading

Oncology Hospital

Requiring early detection of abnormal and immature cells

With Mindray All-in-One Solution

- Smooth sample loading workflow
- Rapid, accurate detection of abnormal and immature cells

Emergency Department

High demands on shortened TAT

With Mindray All-in-One Solution

- Full automation
- Uninterrupted workflows
- The shortest possible TAT

CAL 8000

New Generation Cellular Analysis Line

Rerun: keep the previous test result, and rerun the sample in same test mode (for suspect results)

Reflex: add some test items such as "NRBC" or "PLT-O" (in case of suspected results for the parameters)

The stock yard can hold up to 300 sample tubes at a time. From here the users can select the sample tubes which need further analysis.

Mindray provides original slides to ensure quality of blood smears and reliable performance of SC-120.

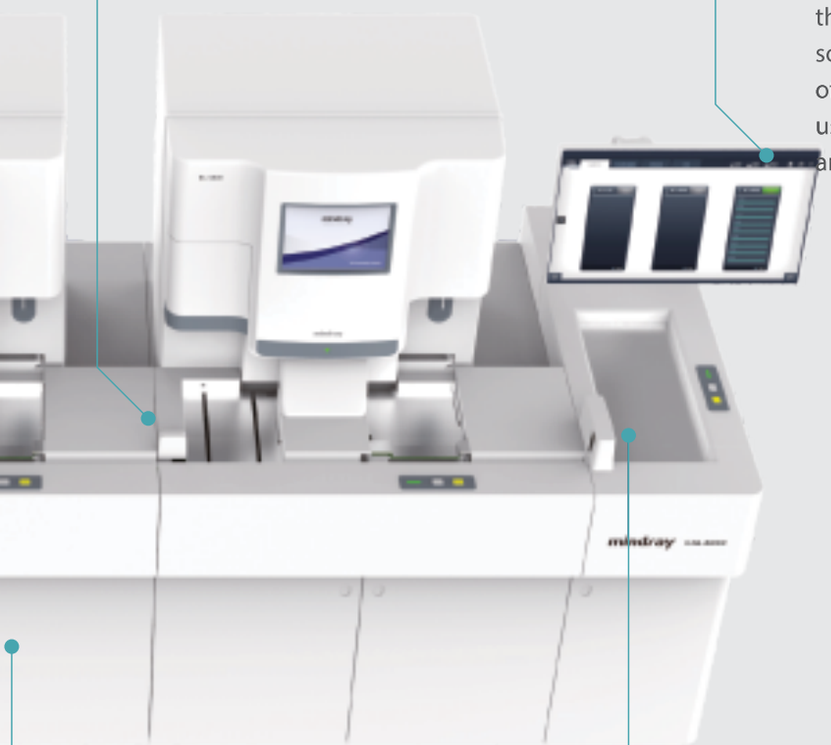
Mindray provides original stains as well as buffer fluid to ensure high quality of staining.

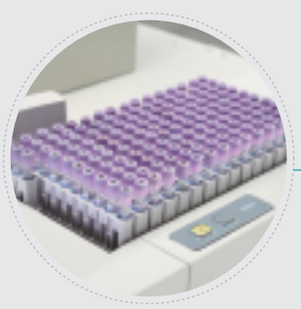
All reagents as well as the pneumatic unit can be set in the trolley below respective BC-6800 or SC-120. In this manner, the reagents and pneumatic unit are well organized permitting easy reagent replacement.

Large - Volume

The CAL 8000 can automatically distribute the samples with “Repeat”, “Rerun” and “Reflex” criteria which are pre-defined by users.

The touch screen is the “brain” of CAL 8000. It optimizes the distribution of workload between each BC-6800 unit and decides which sample requires a blood smear. It displays the status of each BC-6800 or SC-120 installed on CAL 8000 as well as the volume of balance reagent. This intuitive software can tell the users all necessary information of CAL 8000 at any given time. Consequently, the users will spend less time operating CAL 8000 and arrange their working schedule better.





The start yard can hold up to 200 sample tubes at a time. The STAT position provides an option for a faster blood count. The whole CAL 8000 can be started by just pressing one button.

The special tube racks utilize different barcodes to differentiate specific usages, such as “QC”, “Slide making & staining only” and “RET test only”. The special tube racks can carry the tubes to perform these specific functions in the simplest way.

CAL 8000 Size

CAL 8000 110

Width(mm)	Height(mm)	Depth(mm)	Weight(kg)
2690	1470	1030	840

CAL 8000 200

Width(mm)	Height(mm)	Depth(mm)	Weight(kg)
2480	1470	1030	750

CAL 8000 300

Width(mm)	Height(mm)	Depth(mm)	Weight(kg)
3370	1470	1030	1040

CAL 8000 400

Width(mm)	Height(mm)	Depth(mm)	Weight(kg)
4260	1470	1030	1330

Large - Volume

CAL 8000 210

Width(mm)	Height(mm)	Depth(mm)	Weight(kg)
3580	1470	1030	1130

CAL 8000 310

Width(mm)	Height(mm)	Depth(mm)	Weight(kg)
4470	1470	1030	1420

CAL 8000 410

Width(mm)	Height(mm)	Depth(mm)	Weight(kg)
5360	1470	1030	1710

CAL 8000 420

Width(mm)	Height(mm)	Depth(mm)	Weight(kg)
6460	1470	1030	2090

MC-80

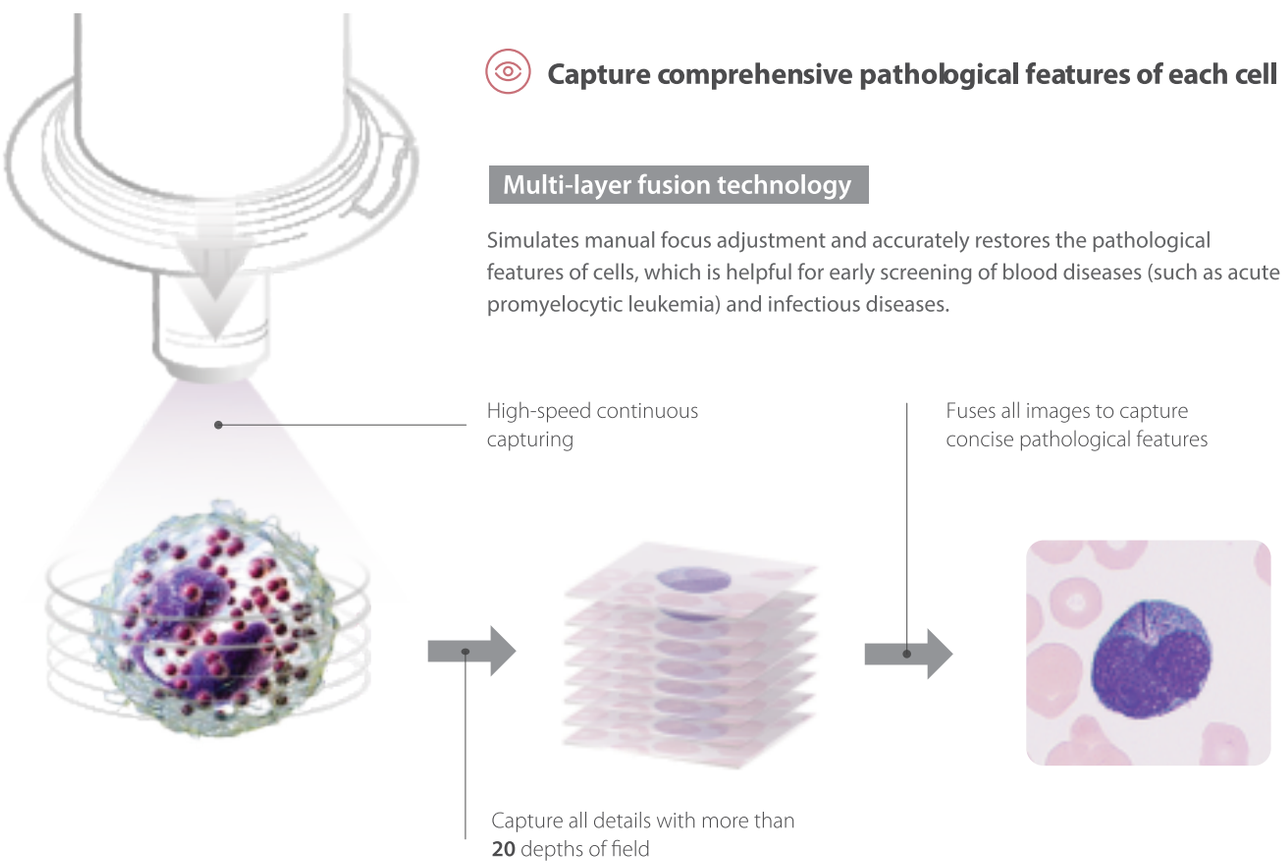
Automated Digital Cell Morphology Analyzer

More Clarity. More Intelligence. More Productivity.

60 Slides/hour

Industry-leading high throughput

SOLID ROCK Hyper-stable anti-shake **system:** Aerospace materials and cutting-edge high-frequency exposure algorithm are integrated to eliminate blurred images.

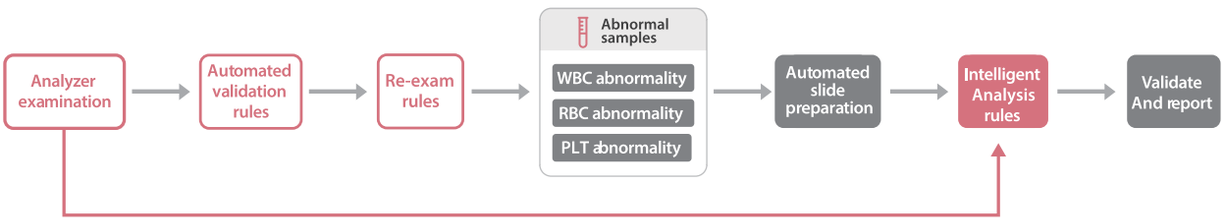


Capture comprehensive pathological features of each cell

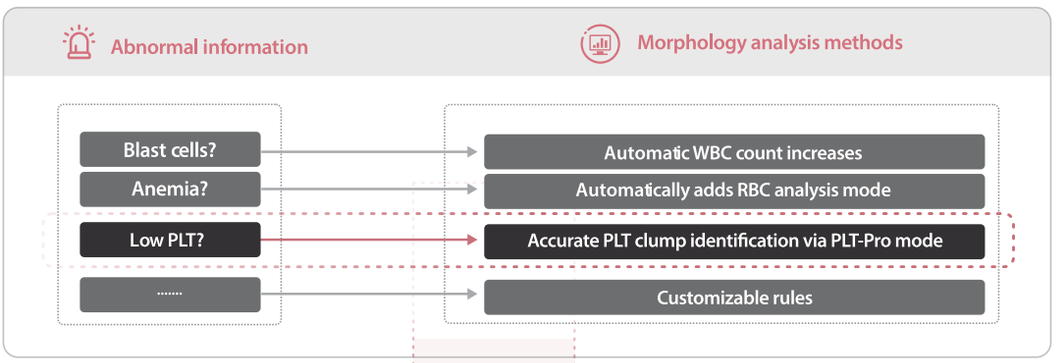
Multi-layer fusion technology

Simulates manual focus adjustment and accurately restores the pathological features of cells, which is helpful for early screening of blood diseases (such as acute promyelocytic leukemia) and infectious diseases.

Intelligent analysis rules facilitate a smart process and less manual intervention



Automatically react on analysis results, flag messages, scatter plots and etc.



Smarter process and less manual intervention via intelligent analysis rules

Veterinary

BC-30 Vet

Auto Hematology Analyzer
Insight and Simplicity

CBC+4-DIFF

Throughput 38 per hour

23 Reportable Parameters

Animals Species

Dog, Cat, Horse, Monkey, Rat, Mouse, Rabbit, Pig, Sheep, Cow, Goat, Camel, Llama+20 self-defined animals

Compact Structure

The compact BC-30 Vetet is less than 20kgs with small footprint. It will fit any small clinic's requirement with limited space.

Reliable Performance

Independent counting system for each species to ensure high accuracy as well as fully integrated calibration and quality control programs.

Hematology Analyzers

BC-5000Vet

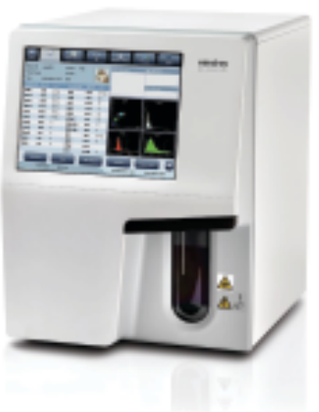
Auto Hematology Analyzer

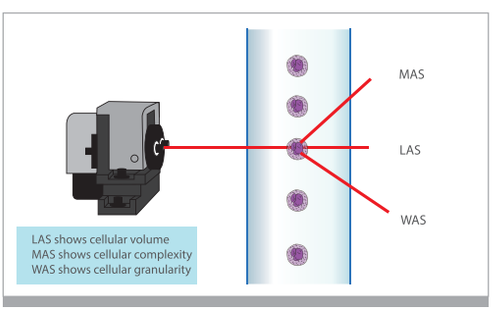
Animals Species

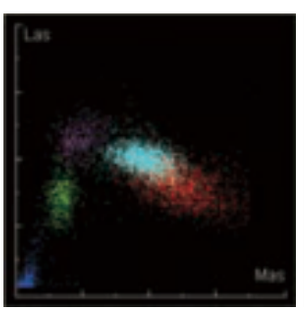
16 animal types including Dog, Cat, Horse, Monkey, Rat, Mouse, Rabbit, Pig, Panda, Red panda, Cow, Llama, Goat ,Sheep, Ferret and Camel*.+ 20 self-programmed animals.
(* coming soon)

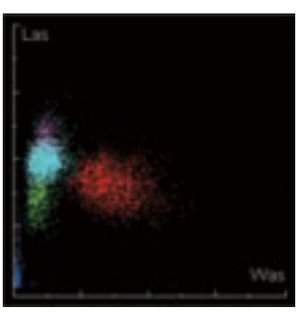
“CUTE” Solution

CUTE stands for Compact, Utility, Technology and Efficiency. BC-5000Vet is a dedicated veterinary 5-part hematology analyzer with the state-of-the-art technology, simple operations, fewer reagents, all in a smaller more affordable package that will fit any veterinarians budget and space.









Hematology Reagents

3- DIFF REAGENTS:

M-30D Diluent 20 L*

M-30CFL Lyse 500 mL*

M-30R Rinse 20 L *

5- DIFF REAGENTS:

BC-5150 analyzers:

M-52 Diluent 20 L *
M-52 LH Lyse 100 mL*
M-52 DIFF LYSE 500 mL*

BC-5380 analyzers

M-53 Diluent 20 L *
M-53 LH Lyse 500 mL*
M-53 LEO (I) Lyse 1 L*
M-53 LEO (II) Lyse 200 mL*

BC-6 / BC-7 analyzers:

DS Diluent 20 L*
M-6 DR DILUENT 1 L*
M-6 FR Dye 12 mL
M-6 LD Lyse 1 L*
M-6 FD Dye 12 mL
M-6 LH Lyse 1 L*
M-6 FN Dye 12 mL (for BC-6)
M-6 LN Lyse 1 L (for BC-6)*
ESR Solution Reagent 1 L

One Cleaning solution for all hematology analyzers :

Probe cleanser 50 mL

*Algerian local products
Mindray - Diagnopharm products

Coagulation

C2000-2

Semi-Auto Coagulation Analyzer

Testing principle: mechanical
Testing items: PT, APTT, FIB, TT clotting items
Reportable unit of PT: sec, Ratio, INR, %, %-INR
Reagent position: 3
Incubation position: 6
Measuring channel: 2
Built-in printer (C2000-2)
Electronic Start-Pipette

C2000-2

C2000-4

Semi-Auto Coagulation Analyzer

Testing principle: mechanical
Testing items: PT, APTT, FIB, TT clotting items
Reportable unit of PT: sec, Ratio, INR, %, %-INR
Reagent position: 4
Incubation position:16
Measuring channel: 4
Built-in printer (C2000-4)
Electronic Start-Pipette

C2000-4

C3100

Auto Coagulation Analyzer

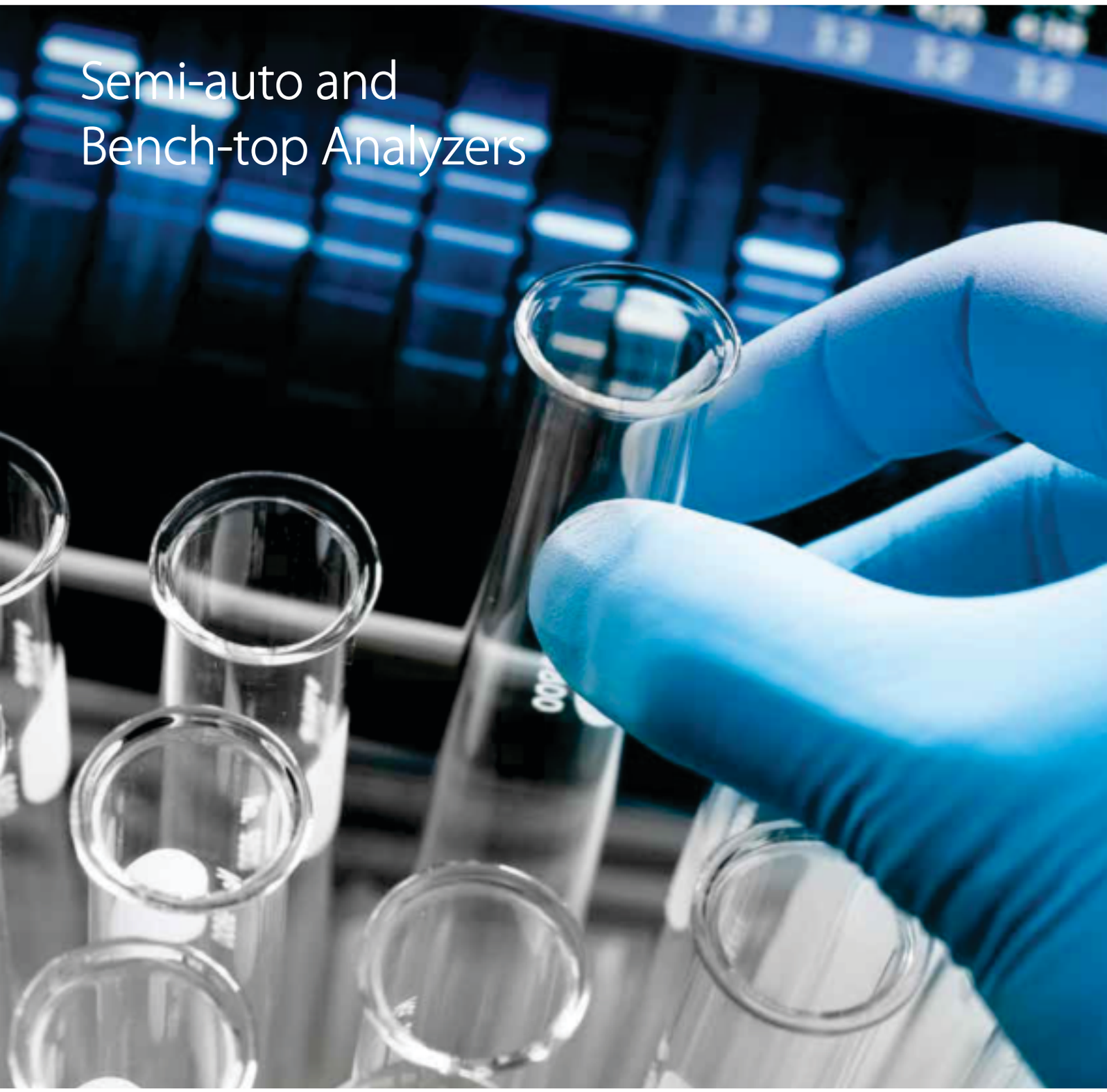
Testing principle: mechanical
Testing items: PT, APTT, FIB, TT clotting items;
D-D, FDP immunoturbidimetric items
Throughput: up to 200 tests/hour
11 Reagent positions (2 with stirring function)
61 Sample positions
12 Incubation channels
4 mechanical testing channels + 1 optical channels (575nm)
Cuvettes loading: autoloading of 1,000 cuvettes
Automatic sample dilution, auto rerun.

C3510

Auto Coagulation Analyzer

Testing principle: mechanical
Testing items: PT, APTT, FIB, TT etc clotting items; D-D, FDP (immunoturbidimetric assay); AT Ⅲ (chromogenic substrate assay)
Throughput: 300 tests/hour
Reagent position: 28
Sample position: 80
Incubation channel: 16
Testing channel: 4 mechanical + 6 optical channels (5 at 575nm, 1 at 405nm)
Cuvettes loading: autoloading of 1,000 cuvettes
Automatic sample dilution, auto rerun.

Semi-auto and Bench-top Analyzers



BA-88A

Semi-Auto Chemistry Analyzer

Endpoint , Fixed-time , Kinetics and Absorbance
Wavelengths range 340 to 670nm
7 . 0 " TFT touch screen & popup keypad
External keyboard and mouse support via USB
Up to 200 tests can be programmed
Testing modes : flowcell and cuvette
User-friendly interface
Power-failure protection
Universal power supply

Clinical Chemistry Analyzers

BS-240

Clinical Chemistry Analyzer

Throughput 200 per hour

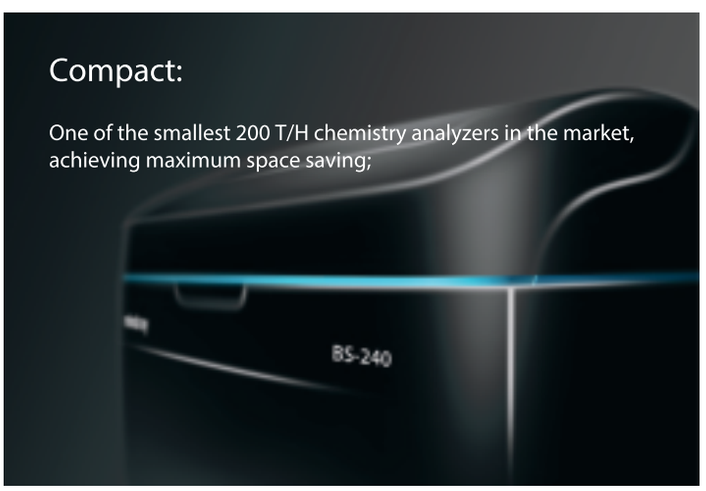
40 sample positions
80 reagent positions

Up to 400 T/h with ISE

"CUTE"Chemistry Solution

Compact:

One of the smallest 200 T/H chemistry analyzers in the market, achieving maximum space saving;



Technology:

Smart-sampling technology enables automatic hemoly-sate preparation for HbA1c test. Pretreatment-free operation guarantees high productivity.

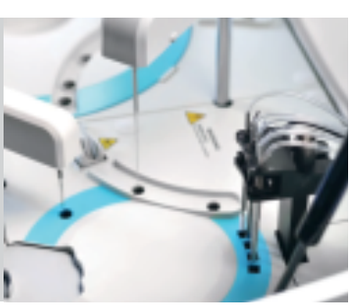
Utility:

•Step-by-step maintenance guide for easy operation;
•Upgraded auto-washing system ensures low carryover and low water consumption.

Large capacity of 80 reagent positions and 40 sample positions extendable to 80.

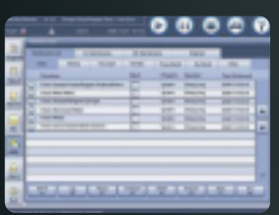
Efficient:

A minimum of 100μl reaction volume for reagent saving.



Compact Size with Robust Functions

Waterfall probe cleaning



Step-by-step maintenance guide

Independent mixing bar

Built-in barcode reader

Intelligent software with user-friendly interface

Clinical Chemistry Analyzers

Independent mixing bar

Waterfall probe cleaning

Intelligent probe with optional clog detection

High throughput

BS-240Pro

Chemistry Analyzer

Throughput 240 per hour

50 to 100 sample positions
50 to 200 reagent positions

Up to 400T/h with ISE

Compact yet Robust

BS-360E

Chemistry Analyzer

Throughput 360 per hour

50 to 100 sample positions
50 to 100 reagent positions

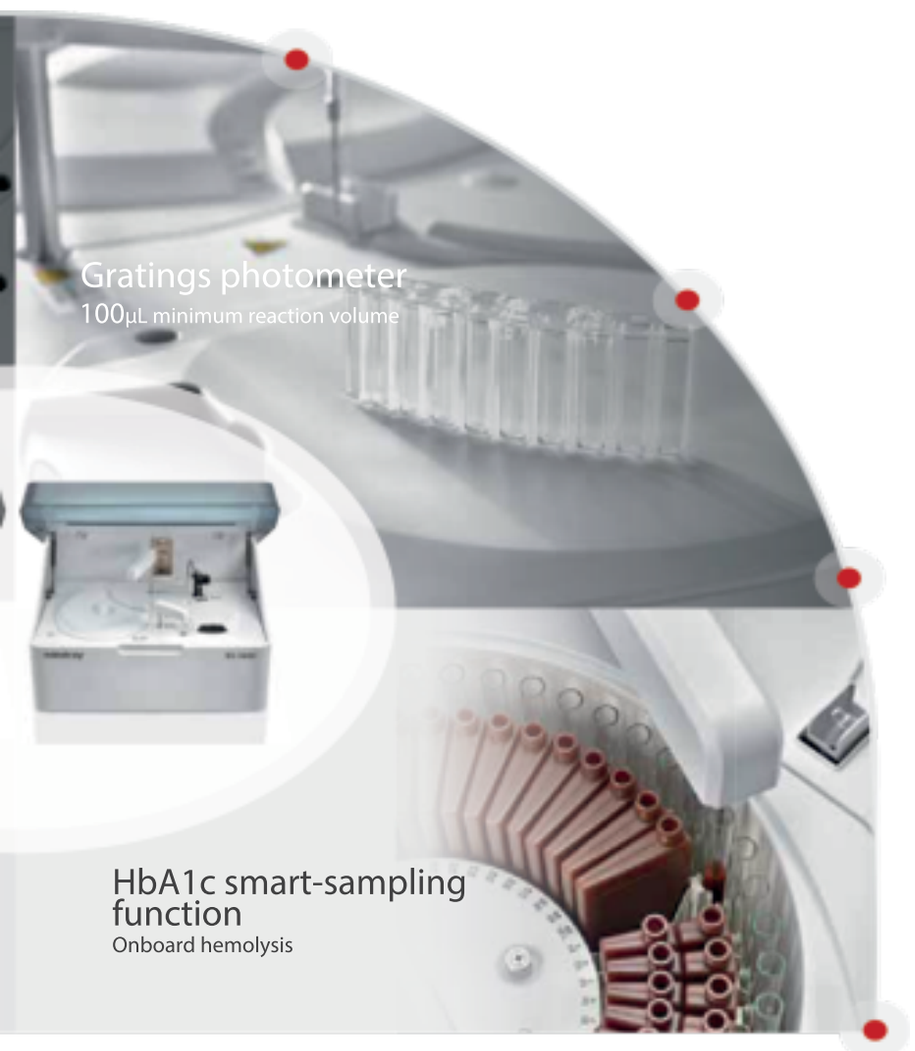
Up to 540T/h with ISE

Optimized washing station

Built-in barcode reader

Optional ISE module easy to access

Intuitive software with more functionalities



Stand-alone Analyzers

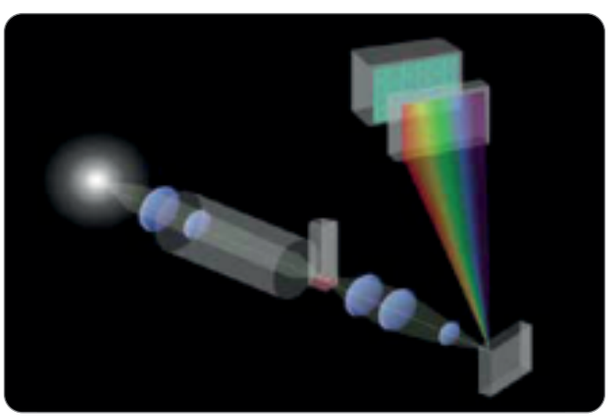
BS-430

Chemistry Analyzer

92 sample positions
100 reagent positions

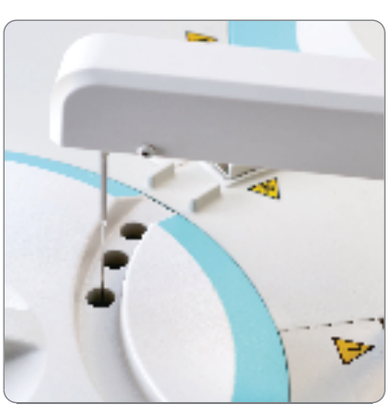
Up to 625T/h with ISE

As the flagship stand-alone chemistry analyzer of Mindray, BS-430 achieves a perfect balance between size and throughput with uniform reagent packages and software. With a throughput of up to 625 tests per hour with ISEs and whole blood HbA1c functions, it delivers high working eciency and high cost eciency for small to medium labs.



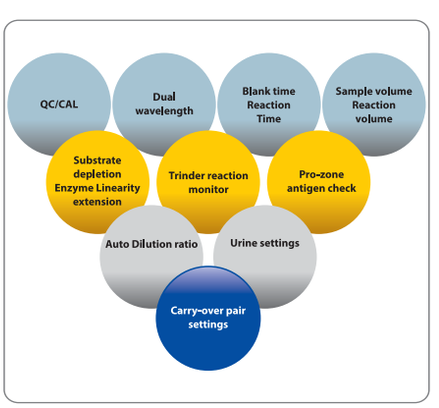
- The concave grating system comes with up to 10 years of service life, provides improved accuracy and reliability and maintenance free. The lamp can last for up to 2000 hours.

- Sample clot detection
- Reagent bubble detection, collision protection
- Liquid level tracking



- 420T/H, up to 625T/H with ISEs
- Quick start in 5 min
- Dry bath, maintenance free

- Whole blood HbA1c
- Anti Hb variants
- HbA1c traceable to IFCC and NGSP

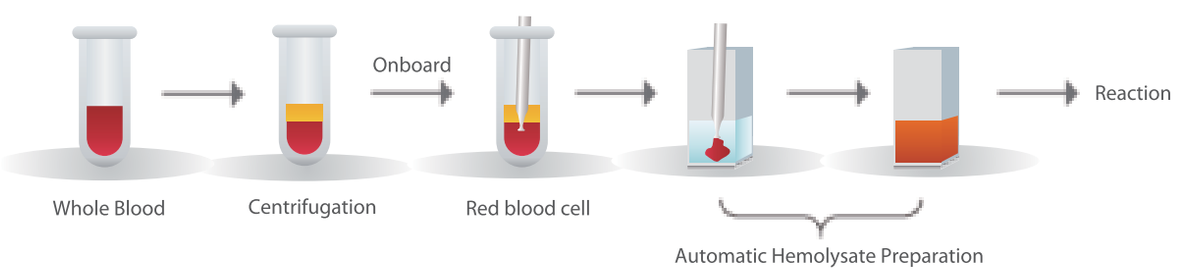


- Original reagent ready for use
- Provide accurate results with complete measuring system (AAA+SOP)

Clinical Chemistry Analyzers

HbA1c Smart-sampling Technology

BS-430 chemistry analyzer utilizes HbA1c smart-sampling technology, which allows onboard automatic hemolysate preparation for whole blood samples, thus achieving shorter turnaround time (TAT) and eliminating any biohazardous risks or any errors by manual operation.



Mindray HbA1c assays of enzymatic method, with application of specified protease and Fructosyl Peptide Oxidase (FPOX), has a good correlation with HPLC method. The enzymatic method is proven to have high precision, specificity and better performance to avoid interference from hemoglobin variants, and it is traceable to IFCC/NGSP reference methods.

Clinical Chemistry Analyzers

Powerful yet Efficient

BS-600M

Auto Chemistry Analyzer

Throughput 600 per hour

80 sample positions by 12 racks
120 reagent positions

Up to 800 T/h with ISE

BS-600M provides powerful functions to meet customers' different needs. With high performance, operational efficiency and cost efficiency, BS-600M delivers an amazing user experience for lab technicians.

Flexible Sample Management

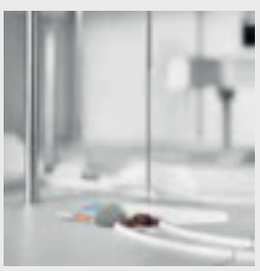
Continuous Sample Loading

- Continuous loading of samples by racks
- Up to 120 sample positions
- Long walk-away time

Quick Start for Sample Rerun

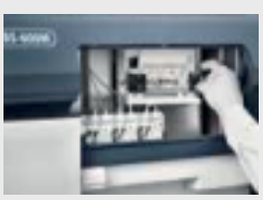
- Auto start for sample testing
- Priority automatically given to STAT and Rerun samples

HbA1c Tests with Whole Blood



- Onboard hemolysis with whole blood to improve working efficiency
- No manual pretreatment is required, reducing biohazardous risks and human errors
- 120 T/H for HbA1c testing to shorten the TAT

Integrated ISE Module



Built-in ISE Module

- Report Na^+, K^+, CL^-
- 1 blood tube for electrolytes and
- photometric chemistry tests

Efficient and Easy Operation

- Up to 300 tests per hour
- Na/K/Ref electrodes with up to 9 months service life
- Automatic calibration
- Low consumption
- Easy operation and maintenance

Reliable Testing System

High Sigma Metric Performance

- The original reagents and validated application protocols lower the inaccuracy and imprecision which contributes to world-class and excellent sigma metric performance.
- With high sigma levels, the system allows laboratories to offer high-quality results at reduced costs and enhance clinician confidence and satisfaction.

Clinical Chemistry Analyzers

BS-800M

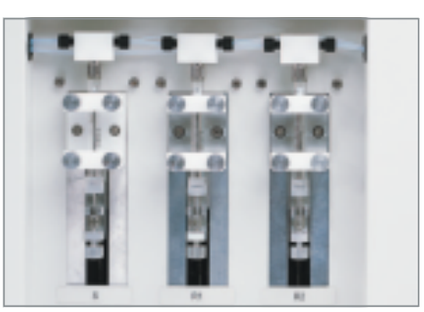
Modular System

Throughput 800 per hour

440 sample positions
68 reagent positions

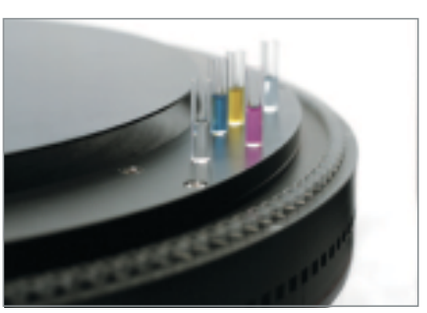
Up to 1200 T/h with ISE

Accurate



High sampling precision

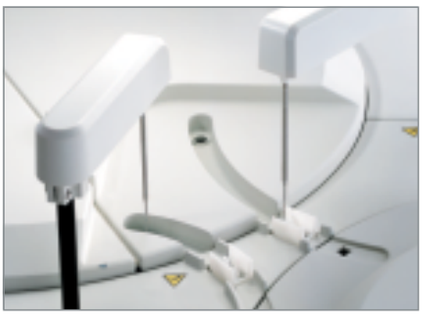
Water circulation reagent cooling



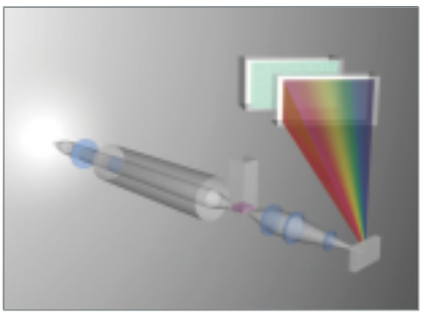
Direct solid-heating system

Innovative

Coaxial reagent disk



Reagent bubble detection



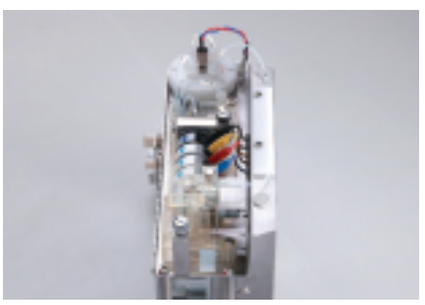
Dot light source

Cost-efficient

Large capacity

Low reagent consumption

One key STAT



Indirect ISE

Continuous reagent loading and unloading

Clinical Chemistry Analyzers

BS-2000 M

Modular System

Throughput 2000 per hour

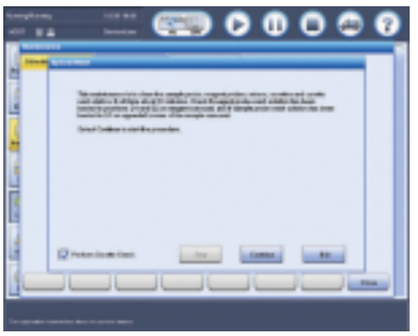
140 sample positions
140 reagent positions

Up to 2200 T/h with ISE

Biochemistry system at the fastest rate ever developed by Mindray, is a whole new set of solutions for hospitals and high-tech clinical laboratories sample volumes. It combines innovation and exceptional performance in a fully integrated solution.

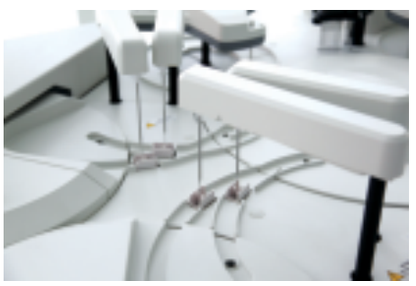
User-friendly Interface

Reflex Function



Step-by-step Maintenance Guide

Enhanced Optical System



High Precision Aspirating

Stable Cooling Compartment

High Performance Reaction System

Efficient Washing System

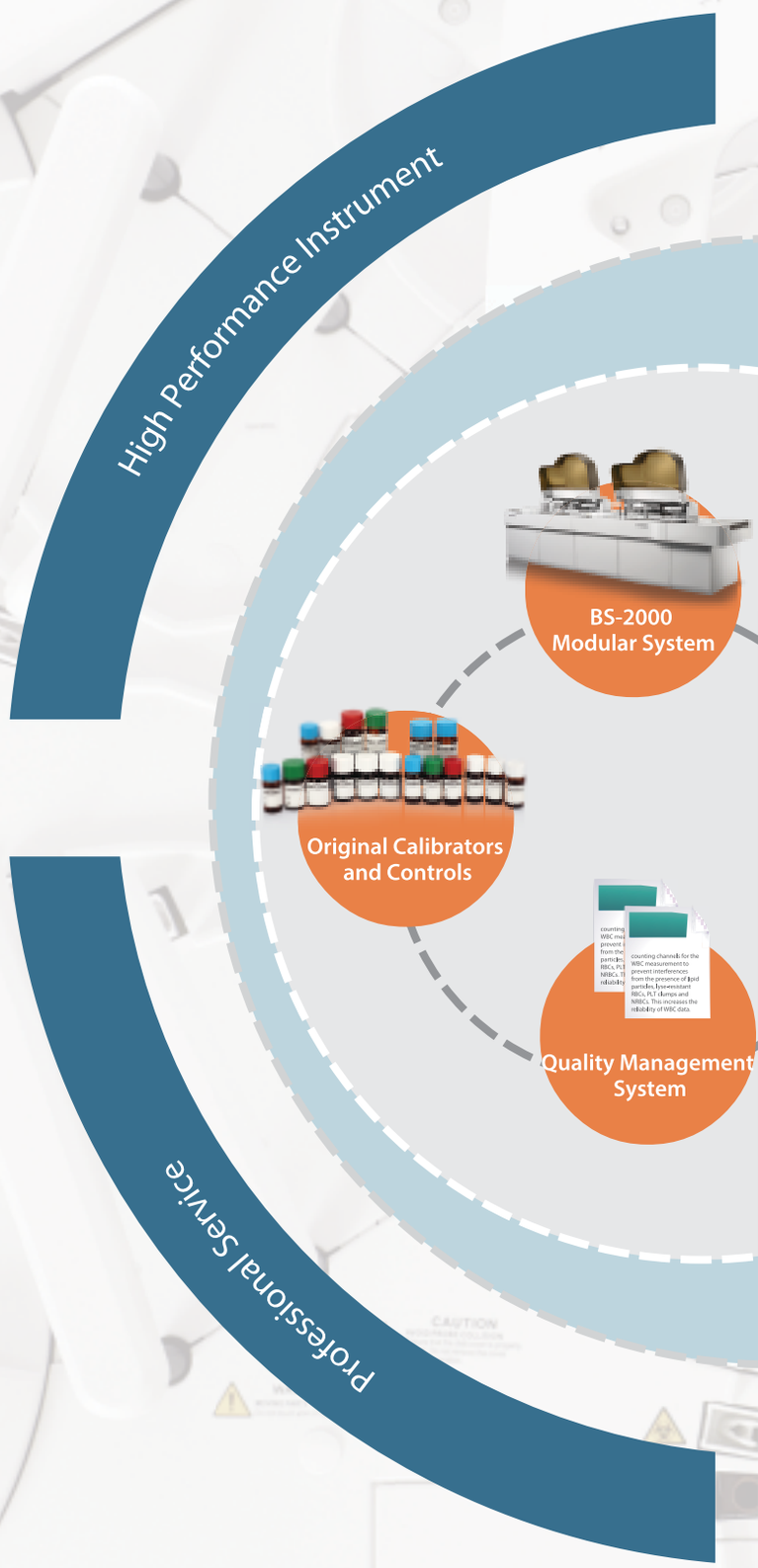
Accurate, Reliable Results

To ensure accuracy, reliability and correlation of diagnostic data, Mindray utilizes the International Standard in result reporting. To assure ease of report retrieving, Mindray establishes the Mindray Clinical Chemistry Measurement System for result traceability.

Mindray Clinical Chemistry Solution

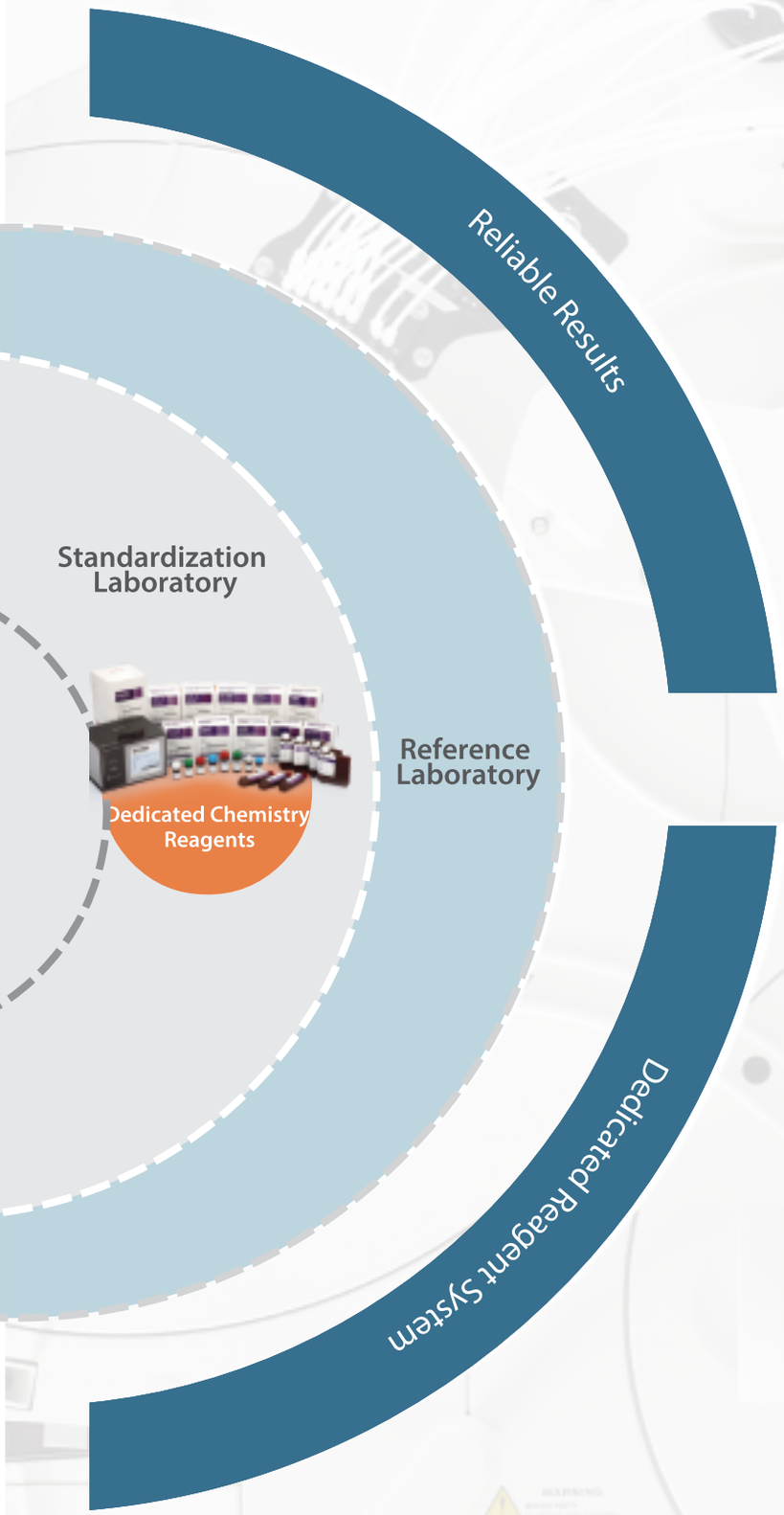
High Throughput

2000 photometric tests/hour
Up to 600 tests/hour for ISE
Up to four modules integrated capability
Flexible scalability



Advanced Software

Results traceability
Reflex function
Flexible STAT & rerun
Real-time status monitoring



Reliable Results

Advanced mechanical system
Complete reference system
Integral traceability system
International traceability certificate

Dedicated Reagent System

Wide panel clinical chemistry assays
Original calibrators and controls
Reliable performance
ISO standard quality

Biochemistry Reagents

Mindray provides high-performance reagents, original quality controls and calibrators along with the BS series analyzers. Our reagents have wide linearity and strong anti-interference capability, covering a comprehensive test menu. The stable liquid reagents are ready to use, cost-effective, and available in different package sizes. A combination of these benefits contributes to Mindray's reliable comprehensive biochemistry solution.

Diabetes

Hemoglobin A1c (HbA1c)
Glucose (Glu-HK)
Glucose (Glu-GOD)★
Total Cholesterol (TC)★
Creatinine enzymatic (Crea-S)★
Cystatin C (CysC)
High density lipoprotein cholesterol (HDL-C)★
Low density lipoprotein cholesterol (LDL-C)★
Fructosamine (FUN)
Microalbumin (mALB)
Total protein (TP)
Triglycerides (TG)★
Urinary Protein (TPUC)

Cardiac

Total Cholesterol (TC)★
Creatine kinase-MB (CKMB)
Creatine kinase (CK)★
C-reactive protein (CRP)★
High density lipoprotein cholesterol (HDL-C)★
Low density lipoprotein cholesterol (LDL-C)★
Lipoprotein (a) [Lp(A)]
Homocysteine (HCY)
myoglobin (MYO)
Triglycerides (TG)
High sensitivity CRP (HS-CRP)
a-Hydroxybtybutyrate Dehydrogenase (a-HBDH)
D-Dimmer
Lactate Dehydrogenase (LDH)★
Angiotensin Converting Enzyme (ACE)

Autoimmune and inflammation

Complement Component 3 (C3)
Complement Component 4 (C4)
C-reactive protein (CRP)★
High sensitivity CRP (HS-CRP)
Immunoglobulin A (IgA)
Immunoglobulin E (IgE)
Immunoglobulin G (IgG)
Immunoglobulin M (IgM)
Rheumatoid Factor (RF)★
Anti-streptolysin O (ASO)

Pancreatic Function

Amylase (AMY)★
Glucose (Glu-HK)
Glucose (Glu-GOD)★
Lactate Dehydrogenase (LDH)★
Lipase (Lip)★

★Algerian local products
Mindray - Diagnopharm products

Hepatic Function

Albumin (ALB)
Alkaline Phosphatase (ALP)★
Alanine Aminotransferase (ALT/GPT)★
Aspartate Aminotransferase (AST/GOT)★
Cholinesterase (CHE)
Complement Component 3 (C3)
Complement Component 4 (C4)
Bilirubin Direct (Bil-D DSA method)
Bilirubin Direct (Bil-D VOX method)★
Bilirubin Total (Bil-T-DSA method)
Bilirubin Total (Bil-T-VOX method)★
Gamma-Glutamyltransferase (GGT)★
Immunoglobulin A (IgA)
Immunoglobulin G (IgG)
Immunoglobulin M (IgM)
Unsaturated Iron Binding Capacity (UIBC)
Lactate Dehydrogenase (LDH)★
transferrin (TRF)
total bile Acids (TBA)
prealbumin (PA)
a-L-Fucosidase (AFU)
Total protein (TP)
Adenosine Deaminase (ADA)

Metabolic Profile

Calcium (Ca)★
Carbon dioxide (CO2)
Chloride (Cl)
Creatinine enzymatic (Crea-S)★
Sodium (Na)
Potassium (K)
Urea★
Glucose (Glu-HK)
Glucose (Glu-GOD)★
Albumin (ALB)
Alanine Aminotransferase (ALT/GPT)★
Aspartate Aminotransferase★
(AST/GOT)
Total protein (TP)
Bilirubin Direct (Bil-D DSA method)
Bilirubin Direct (Bil-D VOX method)
Bilirubin Total (Bil-T-DSA method)
Bilirubin Total (Bil-T-VOX method)

Renal Function

Albumin (ALB)
Beta-2 Macroglobulin (2-mg)
Calcium (Ca)★
Chloride (Cl)
Creatinine enzymatic (Crea-S)★
Cystatin C (CysC)
Hemoglobin A1c (HbA1c)
Glucose (Glu-HK)
Glucose (Glu-GOD)★
Immunoglobulin E (IgE)
Lactate Dehydrogenase (LDH)★
Magnesium (Mg)
Microalbumin (mALB)★
Potassium (K)
Phosphorus (P)
Urinary Protein (TPUC)★
Urea★
Uric Acid (UA)★

Lipids

Total Cholesterol (TC)★
Triglycerides (TG)★
HDL-Cholesterol (HDL-C)★
LDL-Cholesterol (LDL-C)★
Apolipoprotein A1 (Apo-A1)
Apolipoprotein B (Apo-B)
Lipoprotein(a) [Lp(a)]

Nutritional Status

Albumin (ALB)
Ferritin (FER)
Iron (FE)★
Unsaturated Iron Binding
Capacity (UIBC)
Lipase (Lip)★
Magnesium (Mg)
Potassium (K)
Transferrin (TRF)

Electrolytes

Calcium (Ca)★
Chloride (Cl)
Potassium (K)
Sodium (Na)
Magnesium (Mg)
Carbon dioxide (CO2)

Anemia

Glucose-6-Phosphate
Dehydrogenase (G6PD)
Lactate Dehydrogenase (LDH)★
Ferritin (FER)
Transferrin (TRF)
Unsaturated Iron Binding
Capacity (UIBC)
Iron (Fe)★

Benchtop chemiluminescence
Immunoassay analyzers

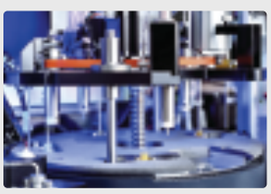
CL-900i

Chemiluminescence Immunoassay System

Throughput 180 per hour

50 sample positions
15 reagent positions

CL-900i is a compact fully automated CLIA analyzer 86 cm in length, 74 cm in width, and 56 cm in height, specially designed for small volume laboratories. With its ergonomic design, the analyzer has an easily accessibly operating area located outside the cover. It is also free of maintenance, offering our customers an optimal user experience and much improved cost performance.



Precise magnetic separation with consistent performance reliability

Wiper washing technology
Enhanced efficiency and minimized carryover

The right size for your lab

Compact yet Efficient

Quick start with a single touch of a button
Great ease of use

Intuitive software interface
Easy access to all functions

Solid-liquid waste separation
Environmentally friendly

Continuous loading of reagents and consumables

Maintenance-free
Lightened workload

Intelligent consumables management

Immunoassay Systems (CLIA)

CL-1200i

Chemiluminescence Immunoassay System

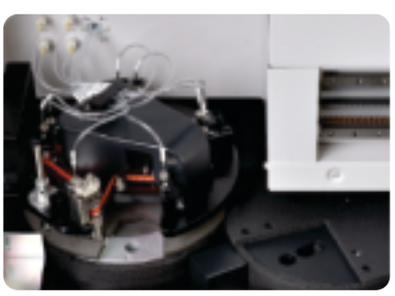
Throughput 180 per hour

60sample positions
25reagent positions

6 sample racks for loading, STAT priority
Non-stop replace of reagents and consumables during testing
Touch screen monitor with swing arm

CL-1200i

A fully capable and robust immunoassay analyzer with performance consistent with CL-2000i, in a smaller benchtop package better suited for mid-to-small-sized labs. The system features a large reagent and sample capacity, robust performance and simple-to-use operation interface.



Enhanced Reaction System

4-phase magnetic separation with precisely controlled temperature
Consistent performance reliability with enhanced PMT detection system
Non-touch vortexer mixing for reaction solution without any contamination

Sample Handling

Samples loading and offloading continuously by sample racks
Unified sample racks with detachable adaptor
Rack status real-time indicting on lane numbers
STATs prioritized fast

Consumables Management

Random access for cuvette loading without pause or stop
88*2 cuvettes in one batch, 185 cuvettes per waste bag
Cuvettes & waste bag status real-time indicating

Immunoassay Systems (CLIA)

CL-2000i

Chemiluminescence Immunoassay System

Throughput 240 per hour

300 sample positions
36 reagent positions

Distributed By IMMUNO DIAGNOSTIC

01 High Throughput

Up to 240 tests/hour

04 Flexible Scalability

Flexible connection with BS-800M and BS-2000M series as well as lab automation in the future*

*In development

02 Large Capacity

300 samples in one batch

Support continuous loading

36 onboard capacity for reagent cartridges

1134 cuvettes loaded in one batch

03 Easy Operation

Intuitive interface for software

Real-time indication of cuvettes, waste and wash buffer status

Step-by-step maintenance guide

CLIA Reagents

Chemiluminescence Immunoassay Reagents

Mindray's CLIA test penal so far has more than 100 high-performance reagents which are developed to work with Mindray's CL series chemiluminescence immunoassay analyzers. By combining the strength of HyTest, a global leading provider of antibodies and antigens acquired by Mindray, our test menu will reach more than 100 assays in the near future. Mindray uses liquid, ready-to-use reagents which come in two packages, 50 tests and 100 tests, to suit customers with different requirements.

Adrenal Function

DHEA-S
Cortisol
ACTH

Liver Fibrosis

Laminin
Hyaluronic Acid
PIIINP
Collagen IV

COVID-19

SARS-COV-2 IgG
SARS-COV-2 IgM
SARS-COV-2S-RBD IgG
SARS-COV-2 Neutralizing Antibody

ToRCH

Toxo IgG
Toxo IgM
Rubella IgG
Rubella IgM
CMV IgG
CMV IgM
HSV-1/2 IgG
HSV-1/2 IgM
HSV-1 IgG
HSV-2 IgG
Toxo IgG activity
Chv IgG activity

Growth Hormone

GH
IGF-1
IgFBP-3

★Algerian local products
Mindray - Diagnopharm products

Thyroid

FT3★
FT4★
T3
T4
TSH★
Anti-Tg
Anti-TPO★
Tg
rT3
TRAb

Infectious Disease

HIV Combo
HBsAg
Anti-HBs
HBeAg
Anti-HBe
Anti-HBc
Anti-HCV
Anti-TP (Syphilis)
HAV IgM
HEV IgG
HEV IgM
Anti HAV

Fertility

Total β-HCG★
FSH★
LH★
Prolactin★
Estradiol
Estriol
TESTO★
PROG
AMH
Free testosterone
17-OH PROG
SHBG

Tumor marker

CEA★
AFP
CA125
CA15-3
CA19-9
Free PSA★
Total PSA
NSE
CYFRA 21-1
CA72-4
PG I
PG II
SCCA
HE4
ProGRP
CA50
CA242
PIVKA-II
AFP-L3%
Hp IgG
G-17
S-100

Bone Metabolic

Intact PTH
Calcitonin
Vitamin D total★

Cardiac

NT-proBNP
HS-cTnI
Troponin I
CK-MB
Myoglobin
BNP

Anemia

Ferritin★
Vitamin B12
Folate
RBC Folate

Hypertension

Renin
Aldosterone

Inflammation

PCT
(Procalcitonin)
IL-6
(Interleukin-6)
sCD14-ST
(Presepsin)

DS Screening

PAPP-A
Free β-HCG

Diabetes

Insulin
C-peptide

Chemistry & Immunoassay Integrated System

SAL 6000

Integrated Solutions

The SAL 6000 Chemistry & Immunoassay Integrated System seamlessly integrates the CL-2000i Chemiluminescence Immunoassay System and the BS-800M Modular System to deliver high throughputs. This scalable platform can not only optimize the workflow, but it also offers a satisfactory operating experience.

Integrated Modular systems

SAL 6000

Integrated Solutions

Outstanding Performance, First-class Quality

Integration without Compromise

Outstanding turnaround time and total throughput

Fast and consistent STAT tests regardless of routine workload

Excellent carry-over prevention for highly-sensitive immunoassay tests

One Tube Sampling, Flexible to Test

For samples which chemistry tests and immunoassay tests are both requested, the system supports one tube sampling, without additional sample aliquote

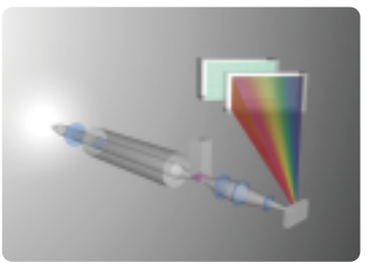
One Platform, One Interface

Single user interface; simplifies workflow and enhances productivity.

Technology and Quality Heritage

Enhanced Optical System

- Dual-lens and dual-diaphragm technology for chemistry systems
- Optimized PMT technology for immunoassay system
- Proven technology minimizes stray light
- Dedicated design to ensure optical reading precision and stability



High Precision Aspiration

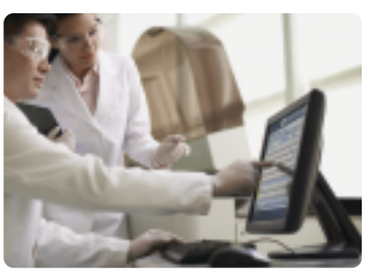
- Precisely controlled syringe motors offer high precision aspiration
- Liquid level detection, clot detection, bubble detection function
- Intelligent vertical and horizontal collision protection
- Automatic recovery from collision without machine stopping

Efficient Wash System

- Interior & exterior probe wash with high pressure water
- Programmable enhanced probe wash with detergent
- Efficient cuvettes and mixers washing for chemistry module
- Precision control on the tubing system for washing liquid

Stable Temperature Control

- Proven precisely controlled thermal engineering
- Solid-direct heating technology for reaction cuvettes without any liquid
- Stable temperature control for reagent cooling compartment



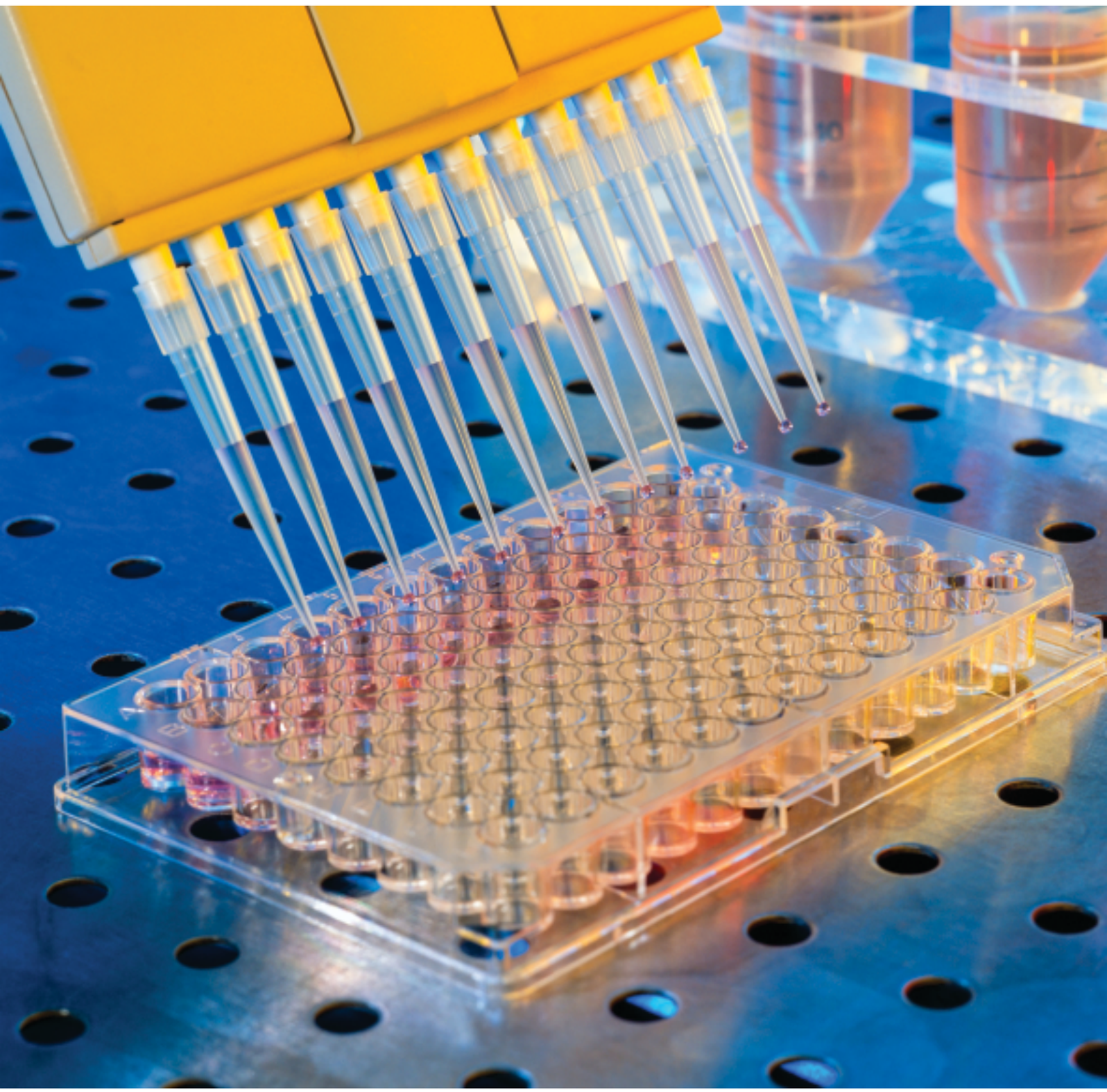
Consistent Software Interface

- User-friendly interface
- Intuitive software navigation
- Large command keys simplifies easy touch screen operation

Original Manufacturer for Reagents and Instrumentation

- High precision hardware
- Premium quality reagents
- Complete traceability
- Dedicated standardization & traceability laboratory

ELISA system



MW-12A

Microplate Washer

Wash programs	up to 100
Wash cycles	0 to 9
Dispensing volume	50 up to 3000 µL
Bottom collosion protection	automatic
Residual volume per well	< 2 µL
Soaking time	0 to 300 seconds
Shaking time	0 to 300 seconds
Mutiple options	1 x 8, 1x 12
Standard bottle set	2 x 2L (detergent), 1 x 2L (Waste) 1 x 2L (distilled water)

MR-96A

Microplate Reader

Detection method	Absorbance
Microplate types	96/48-well plate
Reading speed	5 sec single wavelength, 12 sec double wavelength
Wavelength range	400~700nm
Measurement system	8-channel optical system
Light source	Halogen-tungsten
Reading range	0.001~3.500 Abs
Measurement range	0.001~2.500 Abs
Photometric accuracy	0~0.2 A 0.001 Abs
Wavelength accuracy	±2nm
Repeatability	< 1%
Stability	< 0.005 Abs / 10 min
Linearity	0~1.5 A < 1.0%
Filters	405nm, 450nm, 492nm, 630nm
Connection port	1 x RS232, 2 x USB
Shaking	variable speed and time shaking modes
Input	Touch screen
Display	Large color LCD display

Urinanalysis

EH-2090B/C

Fully Automated Urine Sediment Analysis System

Throughput 100/120 per hour

18 Reportable Parameters

Multi-depth-of-field Fusion

Precise and complete capture of pathological features. 2K full-color clear imaging, reducing the rate of manual microscopic review for positive samples . Colorful imaging technique which is close to manual microscopic satisfies what you need for releasing a report.

High analysis volume for sediment particles to avoid missed diagnosis of positive samples

The system captures up to 60 clear images from the samples. Utilizing advanced algorithm, the system can precisely identify various types of formed elements from panoramic images, thereby minimizing the chances of missed positive samples.

UA-5600

Urine Analyzer

Throughput 240 per hour

14 Reportable Parameters

02 Reaserch Parameters

High efficient detection performance, more reliable. UA series automatic

urine chemistry analyzer utilizes dot matrix sampling technology to avoid cross interference and improve analysis precision.

Meanwhile, the physical detection module automatically analyzes color, turbidity and SG, providing a comprehensive analysis of urine samples.

Researchable parameter, more scientific UA series automatic urine chemistry analyzer provides researchable parameter Albumin/Creatinine(A/C) which provides information about the excretion of urine protein.

EU-5300 Pro/5600 Pro

Automated Urinalysis System

Throughput 70/100 per hour

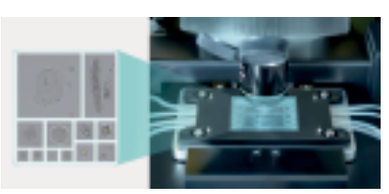
Loading capacity: 50

Three features integrated in a single system to manage the unique workflow needs of your lab.

The integration of dry chemistry, formed element, and RBC phase analysis leads to a great improvement in time and space management efficiency. Even a single person can easily manage the TAT requirements during the peak hours of your lab.

2K full-color clear imaging, reducing the rate of manual microscopic review for positive samples

Colorful imaging technique which is close to manual microscopic satisfies what you needfor releasing a report.



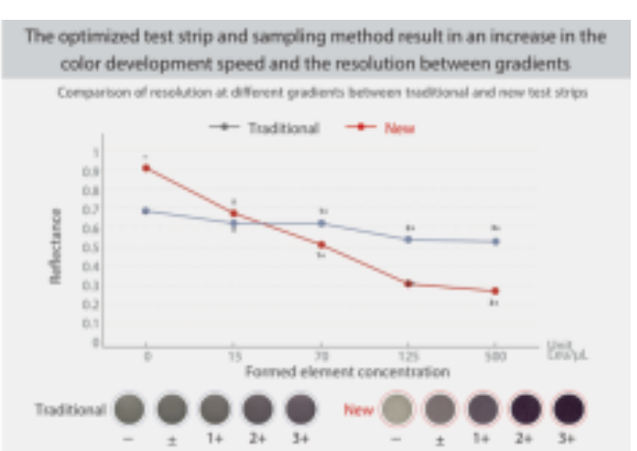
18 Reportable Parameters

High analysis volume for sediment particles to avoid missed diagnosis of positive samples.

14 Reportable Parameters

02 Reaserch Parameters

Dry chemistry analysis delivers precise results that are better aligned with the analysis of formed elements.



Solution to Fight AMR Bacteria

AF-300/600

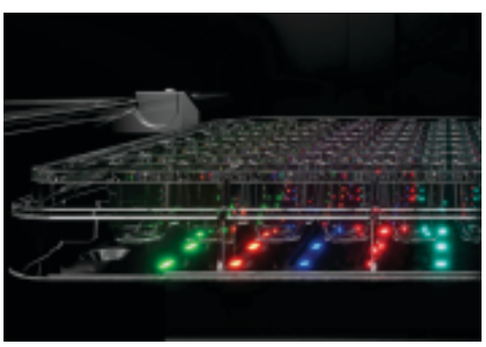
Auto Identification and Susceptibility Testing System

Mindray's AF-300/600 system is designed to help prevent AMR bacteria from spreading within medical institutions and communities.

It adopts direct minimum inhibited concentrations (MICs) for detecting drug-resistant pathogens with a smart streamlined workflow, providing accurate results quickly and efficiently.

TDR X60

Automated Blood Culture Systems



Sample position: 60

Principle: colorimetry

Sensitivity: ≤10 CFU/ml

Culture type: TDR Resin Aerobic; TDR Resin Peds; TDR Resin Anaerobic

Extendable Function: Maximally extend to 600 position

Powerful statistics: Export results including bacteria growth curve

Full automation: Automatic surveillance and report (negative and positive results)

Temperature controlling system: Dual heating systems (solid heating bath and air heating bath)

Unlocking Efficient Cytometry with Multi-colored Lasers

BriCyte® MX

Flow Cytometer

Technical Highlights

Optical configurations

Up to 3 lasers and 14 colors

Loading system

Supports loading in single-tube or carrousel mode

Temperature control

The optical system is designed with active temperature control for increased stability

Absolute counting

A flow sensor and innovative algorithms, delivering accurate results without requiring consumables

Automation

- Automated review for regular panels such as TBNK
- Multiple automated algorithms such as TBNK, HLA-B27
- Multi-mode fluorescence compensation
- Automated voltage adjustment
- Automated gating of rectangular and polygonal plots

Software

- The software interface is available in both Chinese and English
- Great flexibility in manipulating graphics
- Report results customizable as needed
- Sample-centered information management
- Intelligent guide for fault handling
- Bi-directional LIS connection

Flow Cytometry

Enhanced Capacity & Quality | Suitable for a broad range of test panels

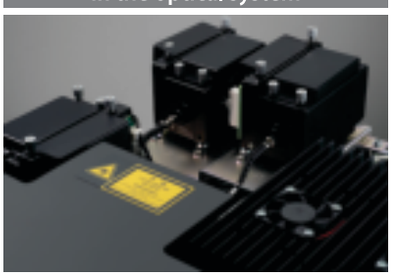
Delivering consistent quality with diverse configurations

Up to 3 lasers and 14 colors available

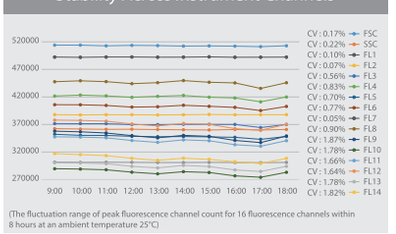
Laser	Channel parameter	Common channel alias	Serial no.	Common fluorescein (incl. but not limited	2-laser 4-color	2-laser 6-color	3-laser 8-color	3-laser 10-color	3-laser 14-color
488nm	488/10 BP	FSC		/	•	•	•	•	•
	488/10 BP	SSC	SSC	/	•	•	•	•	•
	530/30 BP	FITC	FL1	FITC, Alexa Fluor 488	•	•	•	•	•
	585/40 BP	PE	FL2	PE, PI	•	•	•	•	•
	620/30 BP	ECD	FL7	ECD, PE-Texas Red					•
	690/50 BP	PerCP	FL3	PerCP, PerCP-Cy5.5	•	•	•	•	•
	785/90 BP	PE-CY7	FL5	PE-Cy7		•	•	•	•
638nm	660/20 BP	APC	FL4	APC, Alexa Fluor 647	•	•	•	•	•
	710/50 BP	Alexa Fluor700	FL8	Alexa Fluor 700, APC-A700				•	•
	785/60 BP	APC-CY7	FL6	APC-Cy7, APC-A750, APC-H7		•	•	•	•
405nm	450/40 BP	Pacific Blue	FL9	Pacific Blue, B V450, BV421, CSB			•	•	•
	530/30 BP	AmCyan	FL10	AmCyan, BV510			•	•	•
	585/40 BP	Pacific Orange	FL11	Pacific Orange					•
	620/30 BP	Violet 620	FL12	BV605, Qdot605				•	•
	675/30 BP	Violet 675	FL13	BV650, Qdot655					•
	785/60 BP	Violet 785	FL14	BV785, Qdot800					•

Carrousel/single-tube modes available for loading

Active temperature control in the optical system



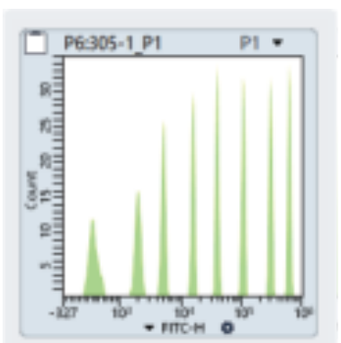
Stability Across Instrument Channels

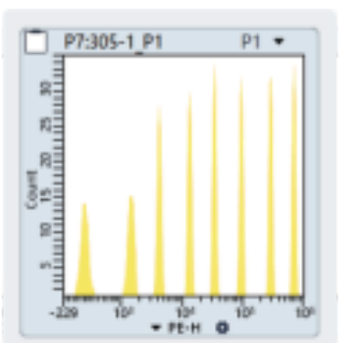


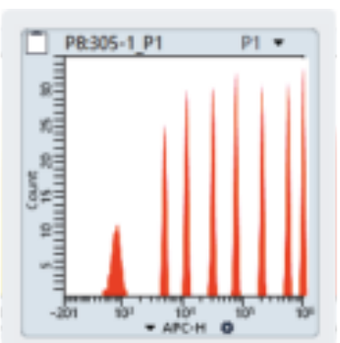
(The fluctuation range of peak fluorescence channel count for 16 fluorescence channels within 8 hours at an ambient temperature 25°C)

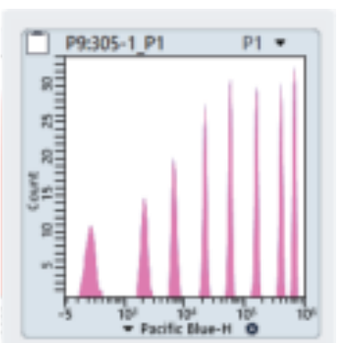
Ensuring reliable results with superior performance

- Superior fluorescence sensitivity in each channel
- A high throughput of up to 35,000 events/s
- Carryover ≤ 0.1%



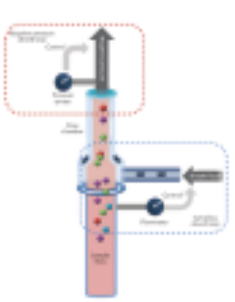




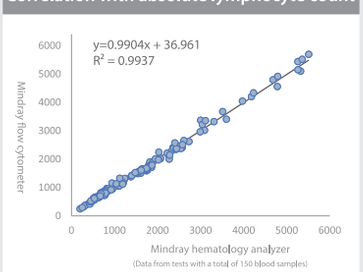


Absolute Counting 2.0

- Absolute counting by flow sensor volume
- No extra consumables required
- Innovative algorithm design, delivering excellent performance across high, medium, and low counts



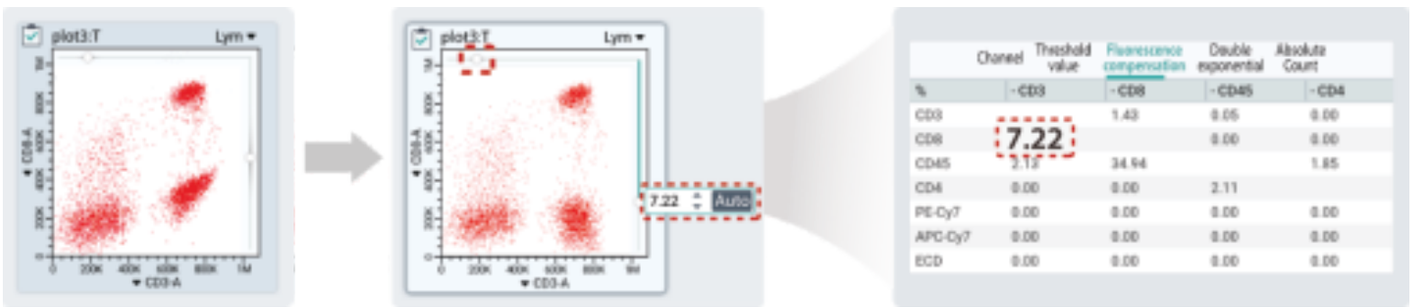
Correlation with absolute lymphocyte count



Automation-driven Efficiency | Multi-layer automation for increased efficiency

Multi-mode fluorescence compensation with unparalleled ease

- Adjustable by slider, manual entry, or automatically
- Truly hassle-free operation for compensation

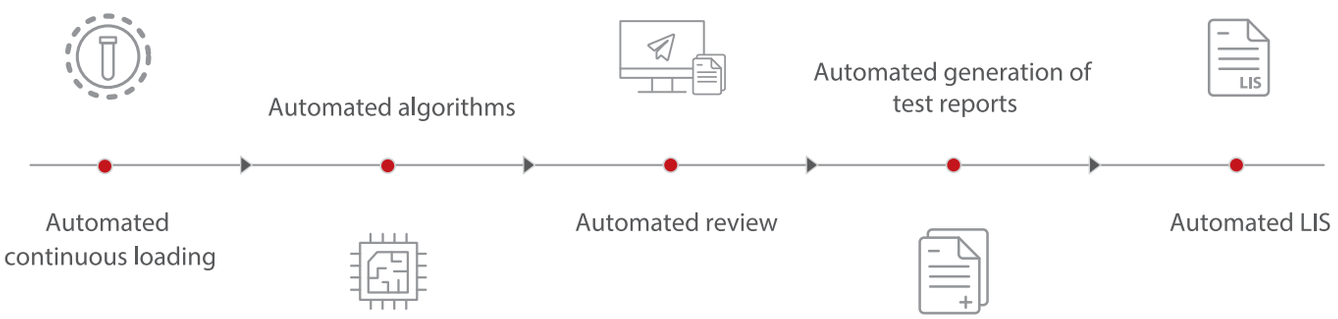


Expanded automated algorithms

- Panels such as lymphocyte subsets (TBNK), human leukocyte antigen B27 (HLA-B27), and regulatory T cells (Treg) are tested automatically, with test reports generated automatically as well.

End-to-end automation from analysis to review

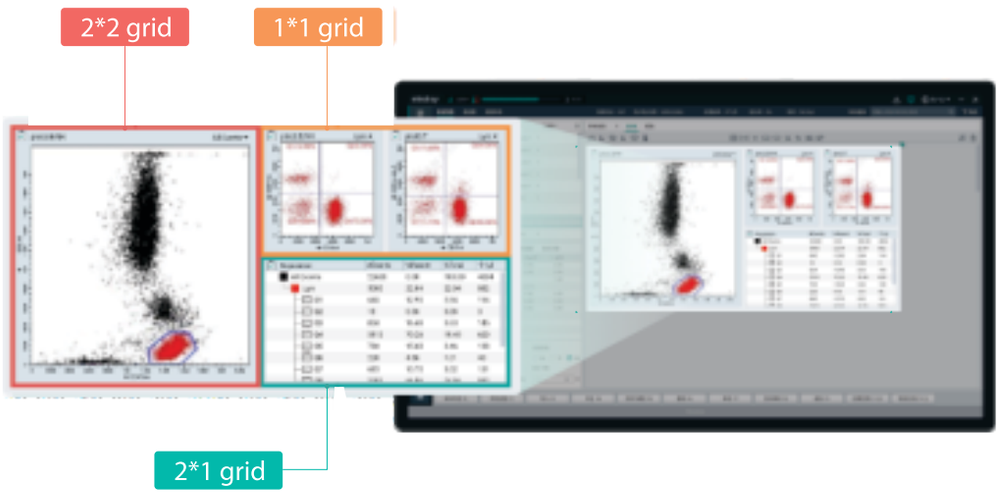
- Automated review based on graphics and results: innovative yet standardized



Interactive Excellence | User-friendly and convenient software

Great flexibility in manipulating graphics

- Tile-based design for a grid layout
- Graphics can be resized as required and automatically arranged



Flexible expansion of report results

- A full-featured built-in formula editor
- Customize exclusive reports by adding and combining result parameters as needed

Intelligent guide for fault handling

- Visualizing fault information in a graphical manner
- Guided solutions for fault handling

A new addition to Mindray's flow cytometry family

Enhanced Capacity & Quality

3-laser configuration for expanded applications

- 3 lasers and 14 colors available
- Active temperature control in the optical system
- Greatly increased sensitivity and throughout

Automation-driven Efficiency

Multi-layer automation for increased efficiency

- Multi-mode fluorescence compensation
- Expanded automated algorithms
- Innovative automated review

Interactive Excellence

Flexible software for a seamless user experience

- Increased flexibility and efficiency in graphic manipulation
- Flexible expansion of report results
- Intelligent guide for fault handling

- BriCyte MX carries forward Mindray's legacy of innovation, building upon the success of its predecessor, BriCyte E6.
- Drawing from the stability and reliability of BriCyte E6, BriCyte MX is thoroughly optimized in both configurations and performance—now featuring optical configurations with up to 3 lasers and 14 colors, alongside notable improvements in key performance metrics.
- The software is upgraded to make it easier to use and more effective. Now it incorporates features like multi-mode fluorescence compensation, expanded automatic algorithms, innovative automated review, increased flexibility in graphic manipulation and report result editing, and intelligent guided fault handling. All these advancements help to make flow cytometry analyses more standardized and automated.

Continued High Investment on Reagent R&D

- Expert in raw material, magnetic beads, enzyme label, design transfer
- Tackling key and difficult projects

First and sole manufacturing site of Mindray reagents in Africa, with the production of Hematology, Biochemistry and immuno-assay reagents.

12 R&D centers

Over **50+** subsidiaries and branch offices overseas

Over **30+** branch offices in China

R&D Centers

Globalisation: DIAGNOPHARM

Germany

DiaSys Diagnostic Systems GmbH

- Acquisition of a leading specialist in the development and manufacture of top-quality diagnostic systems.
- Product range comprises more than 90 clinical chemistry and immunoturbidimetric reagents for routine and special diagnostics.

Finland

HyTest

- International top IVD biological raw material supplier
- Myocardial Marker Leader

Shenzhen Headquarters

China

- System integration
- Product verification
- Traceability and standardization

Wuhan R&D Center

China

- New products development
- Biological raw materials research

Shenzhen Guangming R&D Center

China

- Platform research
- New products development
- Online product optimization

الشـركة الجـزائرية لتطـوير صـناعات الكـواشف الطـبية

SOCIÉTÉ ALGÉRIENNE POUR LE DÉVELOPPEMENT DES INDUSTRIES DU DIAGNOSTIC

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FIABILITÉ, EFFICACITÉ ET ACCESSIBILITÉ: NOS PRIORITÉS.

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Reliable, accurate and affordable diagnostic for all

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IMMUNOLOGIE HORMONOLOGIE
ANATOMOCYTOPATHOLOGIE ONCOLOGIE
HÉMOGLOBINE GLYQUÉE AUTOIMMUNITÉ
SÉROLOGIE INFECTIEUSE BACTÉRIOLOGIE
HEMOSTASE BIOCHIMIE HÉMATOLOGIE
GAZ DU SANG IONOGRAMME

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GMP GOOD MANUFACTURING PRACTICE QUALITY PRODUCT
CERTIFIED ISO 9001 COMPANY

february 2025